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**State of South Carolina**

**TWENTY-FOURTH ANNUAL REPORT**

of the

**STATE BOARD OF  
ENGINEERING EXAMINERS**

to the

**GOVERNOR**

**FOR YEAR ENDING JUNE 30, 1946**



**Roster of Registered Professional  
Engineers and Land Surveyors**

**1946**



**State of South Carolina**

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**STATE BOARD OF  
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Engineers and Land Surveyors**

**1946**



## Letter of Transmittal

### TO THE GOVERNOR

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Columbia, S. C., August 19, 1946.

*To His Excellency, Hon. Ransome J. Williams,  
Governor of South Carolina,  
Columbia, S. C.*

Sir:

In compliance with Sections 7068 and 7079, Chapter 148, Article 2, Civil Code of South Carolina, 1942, we have the honor to transmit this Twenty-fourth Annual Report of the activities of the Board, together with a statement of receipts and expenditures and a list of those registered in accordance with the law.

The Board desires to express its appreciation of the cooperation and assistance received from your office and other State departments.

Respectfully submitted,  
STATE BOARD OF ENGINEERING EXAMINERS,  
WALTER C. HERBERT, *Chairman*.

Attest:

T. KEITH LEGARÉ, *Secretary*



# Personnel of South Carolina State Board of Engineering Examiners 1946-1947

## **Harwood Beebe**, *Chairman*, Spartanburg

The Hardwood Beebe Company, Municipal and Civil Engineers

Member, American Society of Civil Engineers

Member, American Public Works Association

Member, American Water Works Association

Member, American Society for Testing Materials

Member, South Carolina Society of Engineers

Member, North Carolina Society of Engineers

## **E. H. Shuler**, *Vice-Chairman*, Spartanburg

Professor of Applied Mathematics, Wofford College

Member, South Carolina Society of Engineers

## **T. Keith Legare**, *Secretary*, Columbia

Exec. Sec'y, National Council State Boards of Eng. Examrs.

Past President, National Council State Boards of Eng. Examrs.

Member, Com. on Registration of Engrs. Am. Soc. C. E.

Past Director, American Society of Civil Engineers

Member, South Carolina Society of Engineers

Past Member, Engrs' Council for Professional Development

## **L. S. LeTellier**, Charleston

Head, Department of Engineering

The Citadel, The Military College of South Carolina

Member, American Society of Civil Engineers

Member, American Concrete Institute

Director, Civil Engineering Division, American Society for Engineering Education

Member, South Carolina Society of Engineers

## **Walter C. Herbert**, Columbia

Director, Electric Utilities Division, Public Service Commission

Member, South Carolina Society of Engineers

Member, South Carolina Bar

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### Office of Board

505 Carolina Life Building, Columbia, S. C.

(Mail Address: P. O. Drawer 1404, Columbia, S. C.)



# REPORT

of the

## State Board of Engineering Examiners

For the Fiscal Year Ending June 30, 1946

### ACTIVITIES OF THE BOARD

During the past fiscal year the board held three meetings at which it considered a total of 158 applications for registration. There were 99 engineers and 39 land surveyors approved. Fifteen candidates for registration were not approved for any classification; 10 candidates were enrolled as "Engineer-in-Training", including five who were registered as land surveyors. There are now 500 registered engineers and surveyors in good standing.

The Board adopted amendments to its Rules and Regulations, prescribing the qualifications for "Reciprocal Registration or Registration by Endorsement" and also providing for the enrollment of "Engineers-in-Training."

The Board has investigated a number of violations of the registration law. These were adjusted by either registration or discontinuance of practice or discontinuance of improper use of title.

The accompanying financial statement shows all receipts and disbursements, and the accounts of the Board have been audited by the State Auditor.

It is important that engineers practicing in this State keep their registration up to date and advise the office of the Board as to any change of title and address.

This office will be glad to furnish any of our registrants with information regarding registration in other states or any other information they may wish in connection with registration procedure.

### REINSTATEMENT OF REGISTERED ENGINEERS

Provision is made in the Rules and Regulations of the Board, published elsewhere in this Report, for the "Reinstatement of Revoked or Lapsed Certificates" and, when any registrant who has not kept up his annual renewal wishes to have his legal registration made effective again, he may do so by meeting these requirements.

Because of the provisions of the Registration Act the "Roster of Registered Engineers and Land Surveyors Authorized to



Practice in the State of South Carolina," published in this Report, does not contain the names of registrants who have not paid the current renewal fee.

### MEETINGS, FEES, RENEWALS

Regular meetings of the Board are held on the fourth Tuesday of June and the first Tuesday of December of each year. All applications for registration must be made on forms furnished by the Board, accompanied by the required fee of \$15.00 and filed with the Secretary of the Board at least thirty days before meetings.

All certificates of registration expire on June 30th of each year and those who continue to practice after that date without renewal are violating the law. The annual renewal fee of \$5.00 for engineers and \$3.00 for land surveyors is payable on or before the thirtieth day of June. Only one fee of \$5.00 is required when classification includes both engineer and surveyor.

### HISTORY OF REGISTRATION ACT

The Act providing for the creation of the State Board of Engineering Examiners and the registration of professional engineers and land surveyors was passed by the State Legislature of South Carolina at the 1922 session and was approved by Governor R. A. Cooper on March 22, 1922. The Act, as now amended, was approved by Governor John G. Richards on March 10, 1928.

The first members of the Board were appointed and commissioned by Governor Wilson G. Harvey on May 31, 1922, and were as follows: G. E. Shand of Columbia, George Wrigley of Greenville, L. S. LeTellier of Charleston, W. S. Tomlinson of Columbia, and T. Keith Legaré of Columbia.

The Board held its first meeting in Columbia on June 17, 1922, and was organized by the election of officers and the appointment of committees. The present officers and members of the Board are given on page four.



# Financial Statement

July 1, 1945 to June 30, 1946

Cash Balance, July 1, 1945 .....	\$4,669.23
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## Receipts:

Registration and Renewal Fees .....	\$5,141.00	
Less Exchange .....	2.54	5,138.46
		<u>\$9,807.69</u>

## Disbursements:

Vouchers on Comptroller General .....	\$3,101.95	3,101.95
Cash Balance, June 30, 1946 .....		<u>\$6,705.74</u>
		<u>\$9,807.69</u>

## ANALYSIS OF DISBURSEMENTS

July 1, 1945 to June 30, 1946

Salaries (Secretary) .....	\$1,012.50	
Clerical Help .....	496.00	
Per Diem Board Members .....	220.00	
Travel .....	189.00	
Expense of Meetings .....	64.30	
Office Rent .....	240.00	
Office Supplies .....	170.67	
Office Equipment .....	66.50	
Printing and Advertising .....	470.66	
Insurance (Secretary's Bond) .....	15.00	
Association Dues (National Council) .....	100.00	
Telephone and Telegraph .....	40.32	
Refunds .....	17.00	
		<u>\$3,101.95</u>



STATE OF SOUTH CAROLINA,  
County of Richland

I, T. K. Legaré, Secretary of the State Board of Engineering Examiners, do hereby certify that the financial report herewith rendered is a correct statement of the finances of the State Board of Engineering Examiners, for the period specified.

T. KEITH LEGARÉ

Subscribed and sworn to before me this nineteenth day of August, 1946.

CLAIRE C. WHITAKER,  
Notary Public for S. C.

STATE OF SOUTH CAROLINA,  
County of Richland

I, Walter C. Herbert, Chairman of the State Board of Engineering Examiners, do hereby certify that the financial statement herein rendered of the State Board of Engineering Examiners is true to my own knowledge, except those matters and facts stated on information and belief and as to those, I believe it to be true.

WALTER C. HERBERT,

Subscribed and sworn to before me this nineteenth day of August, 1946.

C. R. BOYLE,  
Notary Public for S. C.

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August 12, 1946.

GOVERNOR RANSOME J. WILLIAMS, *Chairman*,  
State Budget Commission,  
Columbia, South Carolina.

Dear Sir:

In compliance with the law, we have audited the accounts of the South Carolina Board of Engineering Examiners covering the period beginning July 1, 1945 and ending June 30, 1946.

The records of the Board are in agreement with the State Treasurer and it appears that all collections of record are properly accounted for and that disbursements have been made for proper purposes.

Respectfully submitted,

J. M. SMITH,  
State Auditor.



# Engineers and Land Surveyors

## Chapter 148

Civil Code of South Carolina 1942

Regulation of Certain Professions, Trades and Businesses

### Article 2

SECTION 7063. *Registration of Engineers and Land Surveyors.*—In order to safeguard life, health and property, any person practicing or offering to practice professional engineering or land surveying hereafter in this State shall be required to submit evidence that he or she is qualified so to practice, and shall be registered as hereafter provided; and that it shall be unlawful for any person to practice or to offer to practice professional engineering or land surveying in this State unless such person has been duly registered as a professional engineer or land surveyor, or has been exempt from registration under the provisions of this article: Provided, That the provisions of this article shall not apply to land surveyors unless they desire to hold themselves out as registered land surveyors.

SECTION 7064. *Expenses not to Exceed Fees Collected.*—Under no circumstances shall the total amount of warrants issued by the State Auditor in payment of the expenses and compensations provided in this article exceed the amount of the examination and registration fees collected as herein provided.

SECTION 7065. *Terms Defined.*—As used in this article:

(a) The "Board" means the State Board of Engineering Examiners provided for by this article.

(b) "Surveyor," any person who shall be engaged in locating, establishing or relocating any land boundary lines between two or more landowners, or who shall be engaged in locating any United States Government, State, county, township or municipal land survey lines, or the lines of any public streets or roads, is hereby declared to be a surveyor and as practicing land surveying within the provisions of this article.

(c) Any person who shall be engaged in the designing or supervising of the construction, enlargement or alteration of any engineering structure, or utilities, as hereinafter defined, or any part thereof for others and to be constructed by persons other than himself, shall be regarded as practicing professional engineering within the meaning of this article. The practice of professional engineering within the meaning of this article embraces the design and the supervision of the construction of public and private utilities, such as railroads, bridges, highways, roads, canals, harbors, rivers, improvements, light-houses, wet docks, dry docks, ships, barges, dredges, cranes, floating docks and other floating property, the design and the supervision of the construction of steam engines, turbines, internal combustion engines and other mechanical structures, electrical machinery and apparatus, and of works for the developments, transmission or application of power, the design and the supervision of mining operations and of processes and apparatus for carrying out such operations, and the design and supervision of the construction of municipal works, irrigation works, water supply works, sewerage works, drainage works, industrial works, sanitary works, hydraulic works and structural works and other public or private utilities or works which require for their design or supervision of the construction such experience and technical knowledge as are required in Section 7070. The execution as a contractor of work designed by a professional engineer, or the supervision of the construction of such work



as a foreman or superintendent for such a contractor shall not be deemed to be the practice of professional engineering within the meaning of this article.

(d) "Engineer" means any person who practices professional engineering.

*SECTION 7066. State Board of Engineering Examiners—Appointments—Term—Qualifications—Compensation.*—There is hereby created a State Board of Engineering Examiners consisting of five members, to be appointed by the Governor within sixty (60) days after the passage of this article. Three members of the Board shall be civil engineers, one a mining or electrical engineer, and the other one a mechanical engineer or naval architect. Of the members of the Board first appointed hereunder, two shall hold office for a term of two years, two shall hold office for a term of three years, and one shall hold office for a term of four years, each term of office ending the first day of July. Upon the expiration of each of such terms the term of office of each member thereafter appointed shall be four years. Each member shall hold over the expiration of his term until his successor shall be duly appointed and qualified. The Governor may remove any member of the Board for misconduct, incapacity or neglect of duty. Vacancies in the Board caused by death, resignation or removal from office shall be filled by appointment by the Governor for the unexpired term. Each member of the Board shall be a professional engineer of at least ten years' active experience and of recognized good standing in his profession and shall be at least thirty-five years of age and shall have been a resident of this State for at least three years immediately preceding his appointment. Each member of said Board, except the members first appointed hereunder, shall also be registered as a professional engineer under this article. The members of the Board shall receive as compensation the sum of ten (\$10.00) dollars per day for the time actually spent in traveling to and from and in attending sessions of the Board and its committees and each member shall receive all necessary expenses incident to the performance of his duties under this article.

*SECTION 7067. Oath—Registration—Seal—By-Laws.*—Every member of the Board shall receive a certificate of his appointment from the Governor, and before beginning his term of office shall file with the Secretary of State his written oath for the faithful discharge of his official duty. Each member of the Board first appointed hereunder shall receive a certificate of registration under this article from said Board. The Board shall adopt and have an official seal. The Board may make all by-laws and rules not inconsistent with law needed in performing its duties; but no by-law or rule by which more than a majority vote is required for any specified action by the Board shall be amended, suspended or repealed by a smaller vote than that required for action thereunder.

*SECTION 7068. Organization — Secretary — Expenditures — Reports.* — The Board shall annually elect from its members a chairman, a vice-chairman and a secretary. The secretary shall give a surety bond in the sum of three thousand (\$3,000.00) dollars, conditioned for the faithful performance of his duties and for the accounting and paying over of all monies received by him. The premium of said bond shall be paid from the fund of the Board herein-after provided. The secretary shall keep on file a record of all certificates of registration granted. He shall receive and account for all fees derived from the operation of this article, and shall pay to the State Treasurer, who shall keep such monies in a separate fund, to be known as the fund of the Board of Engineering Examiners, continued from year to year, to be drawn against only for the expenses of the Board. Warrants for the payment of the expenses incurred shall be issued by the Comptroller General of the State and paid by the State Treasurer upon presentation of vouchers regularly drawn by the chairman and the secretary of the Board: Provided, however, That at no time shall the total amount of warrants exceed the total amount of fees paid under this article. On or before the 30th day of June in each year



the Board shall submit to the Governor a written report of its transactions for the preceding year, and shall file with the Secretary of State a copy of said report, together with a complete statement of the receipts and expenditures of the Board, attested by the affidavits of the chairman and the secretary, and a complete list of those registered under this article, with their addresses and the dates of their certificates of registration. The Board shall hold at least two regular meetings in each year, special meeting may be called in such manner as the by-laws of the Board may provide. Notice of all meetings shall be given in such manner as the by-laws of the Board may provide. At all meetings a majority of the Board shall constitute a quorum.

SECTION 7069. *Employees.*—The Board shall have power to employ, during its pleasure, such clerks and other employees and to rent such offices as may be necessary for the proper performance by it of its duties as in this article prescribed.

SECTION 7070. *Admission to Examination.*—The Board shall admit to examination any candidate who pays a fee of fifteen (\$15.00) dollars and submits evidence verified by oath and satisfactory to the Board that he:

- (a) Is more than twenty-one (21) years of age.
- (b) Is of good character, and
- (c) Has been engaged in the practice of professional engineering or land surveying for at least four (4) years, and during that period has had charge of said work as principal or assistant for at least one year.
- (d) Or in lieu of requirement (c) specified above, is a graduate from an engineering school.
- (e) Provided, however, That no person shall be eligible for registration who is not a citizen of the United States of America unless he has filed his first papers for naturalization; and then he will be required to have completed his naturalization within three years from the date that he is granted certificate of registration, or he will be deprived from further practicing his profession or calling, as set forth in this article.

SECTION 7071. *Examinations.*—Examinations for registration shall be held at regular or special meetings of the Board at such time and at such places within the State in each year as the Board shall determine. The scope of the examinations and the methods of procedure shall be prescribed by the Board with special reference to the applicant's ability to design and supervise engineering works, which shall insure the safety of life and property. Examinations shall be held to determine the qualifications of applicants for registration separately in surveying or in any one of the branches of professional engineering, embracing civil, mechanical and electrical, mining or naval architecture. The examination may be either oral or partly oral and partly written. As soon as practicable after the close of each examination the members of the Board who shall have conducted such examination shall make and sign and file with the secretary a certificate stating the action of the Board upon the application of each candidate, whereupon the secretary of the Board shall notify each candidate of the result of his examination. A candidate failing on examination may, after an interval of not less than one year, be examined again.

SECTION 7072. *Fees—Certificates.*—In the case of examination as professional engineer, upon the receipt of an additional fee of ten (\$10.00) dollars, the Board shall issue to any applicant who has been reported to have passed the examination conducted by the Board, a certificate of registration as a professional engineer in the branch or branches in which he is qualified, signed by the chairman and secretary of the Board under the seal of the Board, whereupon such applicant shall be authorized to practice professional engineering as defined by this article. In case of examination as land surveyor the Board shall issue to any applicant who has been reported to have passed the examination



conducted by the Board, a certificate of registration as land surveyor, signed by the chairman and secretary of the Board under the seal of the Board, whereupon such applicant shall be authorized to practice land surveying as defined by this article. A certificate of registration as a professional engineer shall not carry with it the right to practice land surveying unless it is specially permitted by said certificate, which permission shall be granted by the Board without additional fee in the case of an applicant duly qualified as prescribed by the rules of the Board.

SECTION 7073. *Certification Within One Year Without Examination.*—At any time within one year after this article becomes effective, upon due application thereof and the payment of a fee of twenty-five (\$25.00) dollars, the Board shall issue a certificate of registration, as provided by Section 7072, to any professional engineer or land surveyor who shall submit evidence under oath and satisfactory to the Board that he is of good character, has been a resident of the State of South Carolina for at least one year immediately preceding the date of his application, and has practiced professional engineering or land surveying preceding the date of his application, and during that period has had charge of engineering work or land surveying as principal or assistant. After this article shall have been in effect one year, the Board shall issue certificates of registration only as provided in Sections 7067, 7072 and 7074.

SECTION 7074. *Reciprocal Registration.*—The Board shall, from time to time, examine the requirements for the registration of professional engineers in other States, territories and countries and shall record those which, in the judgment of the Board, standards not lower than those provided by this article are maintained. The secretary of the Board, upon the presentation to him by any person of satisfactory evidence that such person holds a certificate of registration issued to such person by proper authority in any such State, territory or country as recorded and upon receipt by him of a fee of twenty-five (\$25.00) dollars, shall issue to such person a certificate of registration under this article, signed by the chairman and secretary under the seal of the Board, whereupon the person to whom such certificate is issued shall be entitled to all the rights and privileges conferred by a certificate issued after examination by the Board.

SECTION 7075. *Revocation of Certificate.*—It shall be the duty of the Board to inquire into the identity of any person practicing or claiming to be a land surveyor or professional engineer. The Board shall have the power by a four-fifths vote to revoke the certificate of any professional engineer or land surveyor registered hereunder, found guilty of any fraud, deceit or gross incompetency in his practice, or guilty of any fraud or deceit in obtaining his certificate, or in case he is found by the same vote to be incompetent. Proceedings for the revocation of license of registration shall be begun by filing with the secretary of the Board written charges against the accused. The Board shall designate a time and place for a hearing and shall notify the accused of this action and furnish him a copy of all charges at least ten days prior to the date of the hearing. The accused shall have the right to appear personally or by counsel, to cross examine witnesses or to produce witnesses in his defense. The Board may summons witnesses and administer oaths. It shall be the duty of the Board to prosecute any person violating the provisions of this article.

SECTION 7076. *Renewal of Registration.*—Every certified professional engineer so registered under this article who desires to continue the practice of his profession shall annually pay to the secretary of the Board a fee of five (\$5.00) Dollars on or before a date to be fixed by the Board, for which fee a renewal certificate of registration for the current year shall be issued. Every land surveyor so registered under this article who desires to continue the practice of his profession shall annually pay to the secretary of the Board a fee of three (\$3.00) dollars on or before a date to be fixed by the Board, for which fee a renewal certificate for registration for the current year shall be issued.



SECTION 7077. *Proof of Registry.*—An unrevoked certificate and endorsement of registry made as provided in this article shall be presumptive evidence in all courts and places that the person named therein is legally registered.

SECTION 7078. *Article Applicable to Corporations.*—The Provisions of this article shall apply to every corporation, domestic or foreign, engaged in the business of professional engineering within the State of South Carolina, except the certificate of registration issued hereunder shall be held by one or more of its officers or employees instead of by such corporation.

SECTION 7079. *Annual Publication of List of Registrants.* — The Board each year shall certify and publish a complete list of registered professional engineers and land surveyors with their business addresses.

SECTION 7080. *Land Surveyors of Five-Year Standing* — Nothing contained in this article shall apply to land surveyors who shall have been engaged in the active practice of their profession as land surveyors as long as five years prior to the date hereof, but such surveyors may obtain registration upon voluntary compliance with the terms of this article.

SECTION 7081. *Violation a Misdemeanor—Penalty*—Any person who, not being then legally authorized to practice professional engineering or land surveying within this State according to the provisions of this article and so registered according to law, shall practice, or attempt or advertise to practice, or hold himself out as authorized to practice professional engineering or land surveying or shall use in connection with his name, or otherwise assume, use or advertise any title or designation tending to convey the impression that he is a professional engineer or registered land surveyor shall be deemed guilty of a misdemeanor, and shall for each offense of which he is convicted be punished by a fine not to exceed five hundred (\$500.00) dollars, or by imprisonment not to exceed three months, or both such fine and imprisonment.

SECTION 7082. *Exemptions from Article.*—This article shall not apply to military engineering or to any professional engineer working for the United States Government nor to employees of railroads or interstate public service corporations. Nor to any professional engineer employed as an advisor or as an assistant to a professional engineer registered under this article; nor to any professional engineer coming from without this State and employed therein until a reasonable time, as prescribed by the rules of the Board, shall have elapsed to permit the registration of such person under this article: Provided, That before practicing within this State he shall have applied for the issuance to him of a certificate of registration and shall have paid the fee prescribed in this article.

SECTION 7083. *Not Applicable to Registered Architects.*—This article shall not apply to any architect registered by the State of South Carolina under the provisions of the article creating the State Board of Architecture.

SECTION 7084. *Registrants Exempt from Certain Provisions of Act Requiring Licensing of Architects.*—Persons licensed to practice professional engineering in this State under this article shall be exempt from the provisions of any Act providing for the licensing of architects or regulating the practice of architecture in so far as the definition of "buildings" in any said Architects' Act may include, or be included in the structures enumerated in Section 7065.



# State Board of Engineering Examiners

## Rules and Regulations

Adopted September 14, 1922

Revised July 13, 1937

Revised June 25, 1946

Under the authority of an Act of the General Assembly approved by the Governor, March 22, 1922, and entitled AN ACT PROVIDING FOR THE CREATION AND ESTABLISHMENT OF A STATE BOARD OF ENGINEERING EXAMINERS, etc., the following Rules and Regulations for the administration of said Act are hereby adopted.

*Meetings*—The Board will meet on the fourth Tuesday of June and the first Tuesday of December of each year. Special meetings may be called by the Chairman at his discretion or at the request of three members of the Board, provided that at least five days' notice in writing be given to every member of the Board. Meetings will be held at such place as a majority of the Board may direct.

A majority of the Board shall constitute a quorum.

*Election and Duties of Officers*—The officers of the Board shall be elected at the regular June meeting of the Board, and shall hold office until their successors are elected and qualified.

The Chairman, and in his absence the Vice-Chairman, shall perform the usual duties of this office.

The Secretary shall keep a careful record of all proceedings of the Board, act as custodian of all records, the seal, and other property and papers belonging to the Board. He shall prepare annually and submit to the Board a written report covering the transactions of the Board for the fiscal year immediately preceding, together with a list of all land surveyors and professional engineers registered under the authority of the Act of March 22, 1922, with their addresses and date of registration; and a complete statement of all receipts and expenditures for the fiscal year. This report will be signed by the Chairman and Secretary and forwarded to the Governor and a copy filed with the Secretary of State, all of which as required by Section 7068 of said Act.

The Secretary will be furnished such clerical assistance and paid such salary as the Board may direct.

The Secretary will upon taking office give a surety bond in the sum of three thousand (\$3,000.00) dollars, as provided in Section 7068 of the Act, said bond to be approved by the Board.



*Seal of the Board*—The seal of the Board shall be circular in form and  $1\frac{7}{8}$  inches in diameter. Concentric with the outside of the seal there shall be a circle  $1\frac{1}{4}$  inches in diameter, within which there shall be a replica of the device used on the Seal of the State of South Carolina, and in the annular space between the circle and the outside of the Seal there shall appear the words, "State Board of Engineering Examiners." All official papers, registration certificates, and other formal documents of the Board shall bear the imprint of this Seal.

*Seal of Registered Engineers and Land Surveyors*—The seal of engineers and land surveyors registered by the Board shall be  $1\frac{9}{16}$  inches in diameter and similar to that prescribed for the Board. In the center there shall appear the words, "Registered Engineer," in the case of engineers; the words, "Registered Land Surveyor," in the case of land surveyors; and the words, "Registered Engineer and Land Supervisor," in the case of engineers and surveyors. In the space between the circle and the outside of the seal shall appear the words, "South Carolina" and the name of the registrant.

*Annual Fees*—The annual fee of five dollars for engineers and three dollars for surveyors required to maintain a certificate of registration shall be payable on or before the thirtieth day of June each year. Failure to pay this fee at the time due will automatically revoke a certificate of registration.

*Application for Registration*—All applications for registration must be made on the blanks provided by the Board. No application will be considered unless properly filled out and sworn to before an officer authorized to administer oaths.

Applications for registration must be filed with the Secretary at least thirty days in advance of a meeting of the Board in order to be considered at said meeting, and must in all cases be accompanied by the required fee.

*Admission to Examination*—In the case of applications received at least thirty days prior to a meeting of the Board, the Secretary will notify those applicants who are, in his opinion, eligible for the examination, of the time and place to report for examination. In the case of applications received less than thirty days prior to a meeting of the Board, the applicants cannot be admitted to examination until the next meeting of the Board.

*Examinations*—Examinations may be given by the Board or by a Committee of the Board. In no case will examination be given at any time or place other than at the time or place regularly designated by the Board and duly announced in at least three papers of the State, and at which time and place all qualified applicants may be permitted to take said examination.



In all cases final decision as to whether or not a candidate has passed on an examination must be acted on by the full Board, or a quorum thereof, assembled at a regular or special meeting.

Examination questions will be prepared with reference to a special branch of engineering (such as, civil, mechanical, electrical, mining, naval architecture, or land surveying) in which a candidate is applying for registration, however, the Board will assume in preparing all examination questions that candidates are proficient in the basic principles underlying all engineering practice, and it may at its discretion examine a candidate on such basic principles.

*Return of Fees*—The fee of fifteen (\$15.00) dollars required by law before a candidate can be admitted to examination will not be returned after the candidate has taken his examination, irrespective of whether he passes or fails; nor will the fee be returned if the candidate fails to appear, after being duly notified to report for examination, but the Board may at its discretion admit the candidate to a subsequent examination without additional fee.

*Expiration of Certificates of Registration*—All certificates of registration will expire on June 30 of each year. On payment of the annual renewal fee on or before the thirtieth day of June, a renewal certificate will be issued extending the registration for one year, unless sooner terminated by revocation for cause.

*Reinstatement of Revoked or Lapsed Certificates*—Any registered professional engineer or registered land surveyor who submits to the Board an affidavit certifying that he has in no way practiced professional engineering or land surveying, except as provided for in Section 7082 of Article II, during any fiscal year, July 1 to June 30, accompanied by a statement showing in detail all work performed during this period, may be exempted by the Board from payment of the renewal fee required by Section 7076, Article II, Chapter 148, Civil Code of South Carolina 1942, for the specific period stated in his affidavit.

In case a certificate has lapsed for non-payment of the annual fee of five (\$5.00) dollars, the Board may in its discretion renew the certificate if not more than one year has elapsed and the applicant presents to the Board satisfactory evidence that during the period of lapse he has not practiced engineering nor held himself out to the public as being in practice. If more than one year has elapsed since the automatic revocation of the certificate, the Board may renew the certificate on payment of the full fee for the current year and the presentation to the Board of satisfactory evidence that during the period of lapse the applicant had not practiced engineering nor held himself out to the public as being



in practice, provided, however, that the Board reserves the right to re-examine such applicants for renewal of certificate if it deems it advisable.

*Reciprocal Registration or Registration by Endorsement*—Section 7074 of Article II, Chapter 148, Civil Code of South Carolina 1942, provides for the registration of persons who hold a certificate of registration issued to them by proper authority in any state, territory or country which, “in the judgment of the Board, standards not lower than those provided by this Article are maintained.”

The Board will, therefore, issue a certificate of registration to any person who is legally registered in any other state, territory or country, who pays the required fee of \$25.00, furnishes the required information on the form prescribed by the Board, and who has the following qualifications, which the Board interprets as meeting the “standards not lower than those provided by this Article”:

1. Holds a Certificate of Qualification issued to him by the National Bureau of Engineering Registration; or

2. Is a graduate of an accredited engineering curriculum and has a specific record of an additional four years or more of experience in engineering work of a character satisfactory to the Board and indicating that he is fully competent to practice engineering; or

3. Has successfully passed an examination satisfactory to the Board, given by a State Board of Registration, and has a specific record of eight years or more of experience in engineering work of a character satisfactory to the Board and indicating that he is fully competent to practice engineering; or

4. Has a specific record of twelve years or more of lawful practice in engineering work of a character satisfactory to the Board, indicating that he is fully competent to practice engineering and provided he is not less than thirty-five years of age.

*Pending Registrations*—The Board will admit to examination any person who meets the requirements of Section 7070 and the Board may postpone action on the application of any applicant who, in the judgment of the Board, has not had sufficient experience in engineering work of a character satisfactory to the Board to meet the requirements of the examination. After an interval of not less than one year, when the candidate has had additional experience of a character satisfactory to the Board, he may be examined again for registration as a Professional Engineer.



While action is pending on an application for registration of such a candidate, he may be considered to be an "Engineer-in-Training" but will not be legally authorized to practice engineering, except as provided in Section 7082 of this Article, and shall not use in connection with his name or otherwise assume or advertise any title or designation tending to convey the impression that he is a Professional Engineer.



# National Council of State Boards of Engineering Examiners

Founded November 8, 1920  
Incorporated March 28, 1938

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## OFFICERS 1945-1946

H. T. PERSON, *President*  
Laramie, Wyoming  
JOHN C. REMINGTON, JR., *Vice-President*  
Camden, New Jersey  
CARL L. SVENSEN, *Past President*  
Austin, Texas  
H. T. PLUMB, *Director, Western Zone*  
Salt Lake City, Utah  
L. L. PATTERSON, *Director, Southern Zone*  
State College, Mississippi  
C. S. CROUSE, *Director, Central Zone*  
Lexington, Kentucky  
J. D. GUILLEMETTE, *Director, Northeast Zone*  
Pawtucket, Rhode Island  
T. KEITH LEGARÉ, *Executive Secretary*  
Columbia, S. C.

## PURPOSE AND FUNCTIONS

The National Council of State Boards of Engineering Examiners is an advisory and coordinating agency established primarily to assist State Boards of Registration for Professional Engineers in a cooperative effort for more efficient and uniform administration of state registration laws. Its functions and activities include the certification of registered engineers for registration by endorsement, and service to Member Boards, State and National engineering societies, individual engineers and the public as the national clearing house and information bureau for matters pertaining to the legal registration or licensing of professional engineers.

The national headquarters of the National Council of State Boards of Engineering Examiners are located in Columbia and the office is operated jointly with the South Carolina Board. The next annual meeting of the National Council will be held in St. Louis, Missouri, October 28-29, 1946.

The membership of the National Council is composed of fifty State Boards, representing over a hundred thousand (100,000) registered engineers and surveyors.



Member Boards are: Alabama, Alaska, Arizona, Arkansas, California, Colorado, Connecticut, Delaware, Florida, Georgia, Hawaii, Idaho, Illinois, Indiana, Iowa, Kansas, Kentucky, Louisiana, Maine, Maryland, Massachusetts, Michigan, Minnesota, Mississippi, Missouri, Nebraska, Nevada, New Hampshire, New Jersey, New Mexico, New York, North Carolina, North Dakota, Ohio, Oklahoma, Oregon, Pennsylvania, Puerto Rico, Rhode Island, South Carolina, South Dakota, Tennessee, Texas, Utah, Vermont, Virginia, Washington, West Virginia, Wisconsin and Wyoming.

The South Carolina State Board of Engineering Examiners will accept the Certificate of Qualification issued by the National Bureau of Engineering Registration as satisfactory evidence that the applicant is qualified for legal registration in this State. It is desirable that applicants from other states, who wish to register in South Carolina, first secure certification from the National Bureau of Engineering Registration as this will expedite approval of their application and minimize the effort and expense of securing legal registration in this and other states.

Engineers registered in South Carolina who expect to practice in other states are urged to secure endorsement of their registration from the National Bureau of Engineering Registration and the South Carolina Board, as this will be of great assistance to them in securing registration in other states.



# National Bureau of Engineering Registration

## REGISTRATION BY ENDORSEMENT

Engineers who are endorsed by their State Board of Registration for Professional Engineers and the National Council of State Boards of Engineering Examiners will find their applications for registration in the various states are greatly expedited and, in most cases, promptly approved. The required procedure for securing such endorsements is to file an application for Certificate of Qualification with the National Bureau of Engineering Registration, which will secure the endorsement of the State Board of Registration and, after verifying the professional record of the applicant, will also affix its endorsement, and the seal of the National Council.

## PURPOSE AND ADMINISTRATION

The National Bureau of Engineering Registration is operated as a function of the National Council of State Boards of Engineering Examiners, under the direction of a standing committee of the Council, with an Advisory Board of representatives from national engineering societies. It was established primarily to minimize the effort and expense of engineers desiring to secure registration or license in more than one state. The Bureau also constitutes a clearing house for state registration authorities, employers, societies, and others, acting as a reliable source of verified information regarding the professional records of engineers.

The By-Laws of the National Council and the registration laws or regulations of most states specifically provide for recognition of Certificates of Qualification issued by the Bureau, and all Member Boards of the National Council accept certification by the Bureau, with endorsement by a State Board, as competent evidence of qualification for registration. All State Boards however reserve the right to take whatever action they deem necessary to conform with the requirements of their laws and regulations in connection with any application for registration in their state.

Certification by the Bureau is not a prerequisite for registration in any state, nor is it binding upon the State Boards of Registration, nor will the Bureau assume any responsibility to the applicant in securing legal registration authorizing him to practice engineering.

Engineers desiring legal registration or license in any state must communicate direct with the State Board or Department in that state and secure its application form and regulations. Applications for registration by endorsement must be accompanied by photostatic copies of Certificate of Qualification issued by the Registration Bureau. Each such copy of an original Certificate of Qualification must have the seal of the National Council of State Boards of Engineering Examiners embossed on copy after it is made, in order to be officially acceptable to State Boards of Registration.

## BUREAU PROCEDURE AND REQUIREMENTS

Any registered engineer desiring a Certificate of Qualification must submit to the Bureau on its prescribed form his complete record, including education, engineering experience, legal registration, technical examinations, membership in professional or scientific societies, and references as to character and experience.



Before proceeding with the verification and certification of the professional record of an applicant, his application will be submitted by the Bureau to the Registration Board in the state of which he is a resident, or in some cases, in the state in which he is practicing; and said Board at its discretion may require the applicant to furnish additional information or to pass such written or oral examination as may be deemed necessary to establish his competency. When in the opinion of said Board the applicant is entitled to be recommended to other State Boards for registration, his Certificate of Qualification will be so endorsed by the Board. The Bureau will then make an independent investigation of every item in this record and will either verify each one or indicate on the record the items which have not been verified, with reasons.

After verification, the Bureau will evaluate the professional record of the applicant and will issue a Certificate of Qualification if he meets the requirements of one of the following sections:

a. *Graduation Plus Experience*—Graduation from an engineering curriculum accredited by the Engineers' Council for Professional Development; and a specific record of an additional four years or more of experience in engineering work of a character satisfactory to the Bureau, and indicating that the applicant is fully competent to practice engineering; *Provided*, That in a case where the evidence presented in the application does not appear to the Bureau conclusive nor warranting the issuing of a Certificate of Qualification, the applicant may be required to present further evidence for the consideration of the Bureau and may also be required to pass an oral or written examination, or both (given by the Registration Board in his home state); or

b. *Examination Plus Experience*—Successfully passing a written, or written and oral, examination (given by the Registration Board in his home state) designed to show knowledge and skill approximating that attained through graduation from an accredited engineering curriculum; and a specific record of eight years or more of experience in engineering work of a character satisfactory to the Bureau and indicating that the applicant is fully competent to practice engineering; or

c. *Long Established Practice*—A specific record of fifteen years or more of lawful practice in engineering work of a character satisfactory to the Bureau and indicating that the applicant is fully competent to practice engineering, and provided applicant is not less than thirty-five years of age.

*Qualifying Experience*—Determination of applicants' competency will be based less on length of experience (provided the minimum is met in each case) than on the breadth, quality, and importance of pertinent experience, degree of progression, evidence shown of ability to accept increasing responsibilities, and of the possession of personal qualifications required for successful engineering work.

The term practice of engineering shall mean any professional service or creative work requiring engineering education, training, and experience and the application of special knowledge of the mathematical, physical and engineering sciences to such professional services or creative work as consultation, investigation, evaluation, planning, design, and supervision of construction for the purpose of assuring compliance with specifications and design, in connection with any public or private utilities, structures, buildings, machines, equipment, processes, works, or projects.

Engineering teaching may be construed as engineering experience. The satisfactory completion of each year of an approved curriculum in engineering in a school or college approved by the Board (and Bureau) as of satisfactory standing, without graduation, shall be considered as equivalent to a year of experience in Sections "b" and "c". Graduation from an engineering curricu-



lum not accredited by E.C.P.D. shall be considered as equivalent to two years' experience in Section "b" and "c". Graduation in a curriculum other than engineering from a college or university of recognized standing may be considered as equivalent to two years of experience in Section "b" and "c"; *Provided, however*, That no applicant shall receive credit for more than four years of experience because of undergraduate educational qualifications.

It is interpreted that the practice of engineering does not include the work ordinarily performed by persons who operate or maintain machinery or equipment, or whose only experience has been in the execution, as a contractor, of work designed by a professional engineer or the supervision of the construction of such work as a foreman or superintendent.

An applicant, whose status is classified under Section "b" of the requirements and who has not passed an engineering examination satisfactory to the Board and Bureau will be notified to this effect and, if desired by him, a State Board of Engineering Examiners or Registration designated by the Bureau will conduct the required examination. The applicant will be required to pay for any expense incurred.

## FEES AND APPLICATIONS

The Bureau is a non-profit agency and the fees charged represent only the actual cost of clerical work, printing and postage. All payments of fees and for additional copies must accompany applications and orders. If application is not approved fee will not be refunded.

The charges for the services of the Registration Bureau are as follows:

1. Fee for investigation, verification, and certification, including one photostatic copy of completed Verified Professional Record, Certificate of Qualification and State Board Endorsement (one document)—\$20.00.

2. The original professional record in a Certificate of Qualification will be brought up to date at any time upon request and a photostatic copy of the revised Certificate of Qualification will be furnished—\$5.00.

3. Additional copies of Certificate of Qualification, the document referred to in No. 1—each \$2.00.

(NOTE: It should be noted that each photostatic copy of an original Certificate of Qualification must have the seal of the National Council of State Boards of Engineering Examiners embossed on copy after it is made, in order to be officially acceptable to State Boards of Registration.)

4. One set of one photostatic copy of Certificate of Qualification and one each of the answered questionnaires from the five references given in Section 1 of the Bureau application, to be mailed direct to a State Board. (Required by few State Boards)—\$5.00.

5. One set of one photostatic copy of Certificate of Qualification and one copy each of all answered questionnaires in connection with the Bureau application, to be mailed direct to a State Board. (Required by few State Boards)—\$10.00.

The Bureau does not issue a certificate suitable for framing but only the document referred to in No. 1.

An investigation such as that conducted by the Bureau often requires considerable time. It is suggested, therefore, that an engineer should not wait until he actually needs a Certificate of Qualification. He should, in fact, file his application with the Bureau as early as practicable so that certification by the Bureau may be available for presentation to State Boards of Engineering Examiners or Registration with which he desires registration or for other appropriate purposes.

Applications must be submitted on forms prescribed by the Bureau and must be filed with the National Bureau of Engineering Registration, P. O. Drawer 1404, Columbia, South Carolina.



## Faith of the Engineer

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I am an Engineer. In my profession I take deep pride, but without vainglory, to it I owe solemn obligations that I am eager to fulfill.

As an Engineer, I will participate in none but honest enterprise. To him that has engaged my services, as employer or client, I will give the utmost of performance and fidelity.

When needed, my skill and knowledge shall be given without reservation for the public good. From special capacity springs the obligation to use it well in the service of humanity; and I accept the challenge that this implies.

Jealous of the high repute of my calling, I will strive to protect the interests and the good name of any engineer that I know to be deserving; but I will not shrink, should duty dictate, from disclosing the truth regarding anyone that, by unscrupulous act, has shown himself unworthy of the profession.

Since the Age of Stone, human progress has been conditioned by the genius of my professional forebears. By them have been rendered usable to mankind Nature's vast resources of material and energy. By them have been vitalized and turned to practical account the principles of science and the revelations of technology. Except for this heritage of accumulated experience, my efforts would be feeble. I dedicate myself to the dissemination of engineering knowledge, and especially, to the instruction of younger members of my profession in all its arts and traditions.

To my fellows I pledge, in the same full measure I ask of them, integrity and fair dealing, tolerance and respect, and devotion to the standards and the dignity of our profession; with the consciousness, always, that our special expertness carries with it the obligation to serve humanity with complete sincerity.

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The FAITH OF THE ENGINEER, published above, was presented to the Eleventh Annual Meeting of Engineers' Council for Professional Development by the Committee on Principles of Engineering Ethics and received unanimous approval.



## DEVELOPMENT OF REGISTRATION

"The Registration of Professional Engineers has quickly passed from controversial discussion to established fact. This attests the growing professional consciousness among engineers at a time when the services of the Engineer in war and in peace are receiving new public understanding and esteem. The Registration problem now is development—the development of policies and practices through voluntary accord of the several states for the upbuilding of the Profession through wise appraisal of those who enter it."—*Dr. Charles F. Scott.*

## WHY SHOULD I REGISTER AND BECOME A PROFESSIONAL ENGINEER?

(Note: The following is part of a pamphlet prepared and distributed by the Wisconsin Society of Professional Engineers and is worthy of being copied by other state societies.)

### What is the Purpose of Registration

*Hazards to Public*—The important objectives of professional registration are to safeguard life, health, property, and investments by assuring the public and employers that only those having adequate education and experience are allowed to practice. The lay public is not qualified to judge the competency of engineers. Unless the profession of engineering is legally established and regulated, the public is constantly exposed to the threat of unscrupulous practices by unqualified persons parading themselves as professionals.

### What Good Will It Do Me to Register?

*A Milestone*—Registration is a milestone in the road to success in an engineering career. It is an indication of your professional caliber. Then too, engineering executives in prominent corporations are saying that the time is coming when there will be a definite difference in salary between professional and ordinary or unqualified engineers. Already the "Registered Professional Engineer" is given consideration above the general technical worker.

*Recognized Expert*—A registered engineer testifies in court or before commissions as a professional engineer, and testimony is considered with appropriate weight.

*Advancement?* — Establishing your professional status will some day perhaps bring you a better job. All questions about



an applicant's technical qualifications are eliminated by the simple statement—"I am a *registered professional engineer*."

*Prestige*—In the office, at home, at church, at clubs—when you speak on technical matters, people will know that your opinion is entitled to respect because the State has certified by registration that you are professionally competent.

*Opposition is History*—The need and agitation for professionalizing engineers through registration began about 40 years ago and the original state acts were vigorously opposed for many years. But between 1920 and 1945 intensive action has taken place and all states except Montana have now passed registration acts.

### WHY BE A REGISTRANT?

From an engineer's viewpoint I prefer to think of Registration as a union of the intangibles, a mark of distinction among those of kindred objectives and aspirations.

The legal, medical, dental, etc., professions are directly associated, in one way or another, with the life, health and happiness of mankind. They are required to meet certain rigid standards, prescribed by law, before being permitted to practice.

Is there any profession that is more vitally committed to the preservation of life, health and happiness than that of the engineer? If not, the engineer should likewise be required to meet rigid standards and take the same rank as the professions above mentioned.

It will be a long hard fight but our objectives should be to deny the use of the word "engineer" to any of those who do not meet certain standards set up and enforced by a State Board of Engineering Examiners.

Civic, utility and industrial organizations will look to the engineer for leadership. Government will demand stricter surveillance of those in whose hands the safety and comfort of mankind is entrusted. Budgetary control, carefully prepared estimates based on exhaustive studies of past performance, safety factors in transportation, purification and preservation of food stuffs, etc., will be rigidly enforced. To meet this challenge the engineer of the future will have no choice if he expects to qualify as a recognized servant of the public.

Registration is a universal passport to the great engineering fraternity.—THOMAS J. SMULL, Member, Board of Registration, Ohio.

Reprinted from "*Illinois Engineer*."



## INJUNCTION AGAINST UNREGISTERED ENGINEERS

A Court of Common Pleas of the State of Ohio has granted an injunction, instituted by the Ohio Society of Professional Engineers, against a firm of engineers who were practicing without being legally registered. The decree applies both to the individual defendants and to the corporation. The individual defendants were perpetually enjoined from calling themselves "engineers" and the corporation was perpetually enjoined from permitting unregistered persons to do engineering work. The order and decree of the Court is as follows:

"1. That the defendant, Designers For Industry, Inc., be, and it hereby is, perpetually enjoined from doing any of the following, either directly or indirectly, through itself, its officers, directors, agents, or employees:

"(a) Causing or authorizing any officer, director, agent, or employee who is not a registered professional engineer under the Laws of Ohio to practice or offer to practice engineering within the State of Ohio, provided that this decree shall not be deemed to prohibit or enjoin work by unregistered individuals under the supervision of a registered professional engineer.

"(b) Adopting, using, or publishing, in connection with or in reference to any officer, director, agent, or employee who is not a registered professional engineer under the Laws of Ohio, any title including the word 'engineer' or words of like import.

"(c) Advertising any Registered Professional Engineer employed by or associated with said defendant, Designers For Industry, Inc., in any manner which would constitute misconduct in the practice of professional engineering.

"2. That each of the defendants . . . be and he is hereby perpetually enjoined from practicing or offering to practice engineering in the State of Ohio, or using the word 'engineer' or any word of like import in connection with or in reference to himself unless and until he becomes registered by the Ohio State Board of Registration for Professional Engineers and Surveyors."

The Ohio Society of Professional Engineers is to be congratulated on its initiative and its successful handling of this case, which means much to the Engineering Profession. It was predicted sometime ago that the decision of the Illinois Court, declaring the definition of engineering in the old Illinois Act to be "no definition at all," would have little effect on the administration of registration acts in other states. It is significant to note that the definition of engineering in the Ohio Act, which was based on the Model Law, is almost identical with that in the old Illinois Act, which was declared unconstitutional.

—*The Registration Bulletin.*



## WHAT IS AN ENGINEER?

The Engineer replies: "I take the substance out of which dreams are made and I work and weave with this substance, using the tools of the magic of mathematics and my knowledge of the properties of the materials of the earth. When I have completed my task, all can see that the dreams and plans have been materialized for the greater comfort and convenience of mankind. I am an Engineer—I make dreams come true."

FRANK HEINEMAN, P. E.

## CIVIC RESPONSIBILITY OF ENGINEERS

Engineers are expected to design and build the sinews of war. Can they be counted on with equal confidence as citizens after the war not only to help beat swords into plowshares and spears into pruning hooks, but to help insure "that this nation under God shall have a new birth of freedom?"

We engineers have so worshipped the specialization complex and the bread-and-butter side of engineering that we may miss the great chance to help make secure the better world we are now all so desperately demanding. It is so easy to say to ourselves and our friends, "Let us get on with our profession."

Our material growth has been and continues to be rapid and far reaching—our research laboratories pour forth advances in pure science, new devices, new processes. For the years of peace ahead, could we ever better afford to divert some of the precious time available toward the direct responsibilities of citizenship?

What value has all this material progress if by reason of neglect or indifference we are unmindful of the responsibilities of citizenship?

What doth it profit a nation if it gain the whole world and lose its own soul?—*Yarway News*.



# National Council of State Boards of Engineering Examiners

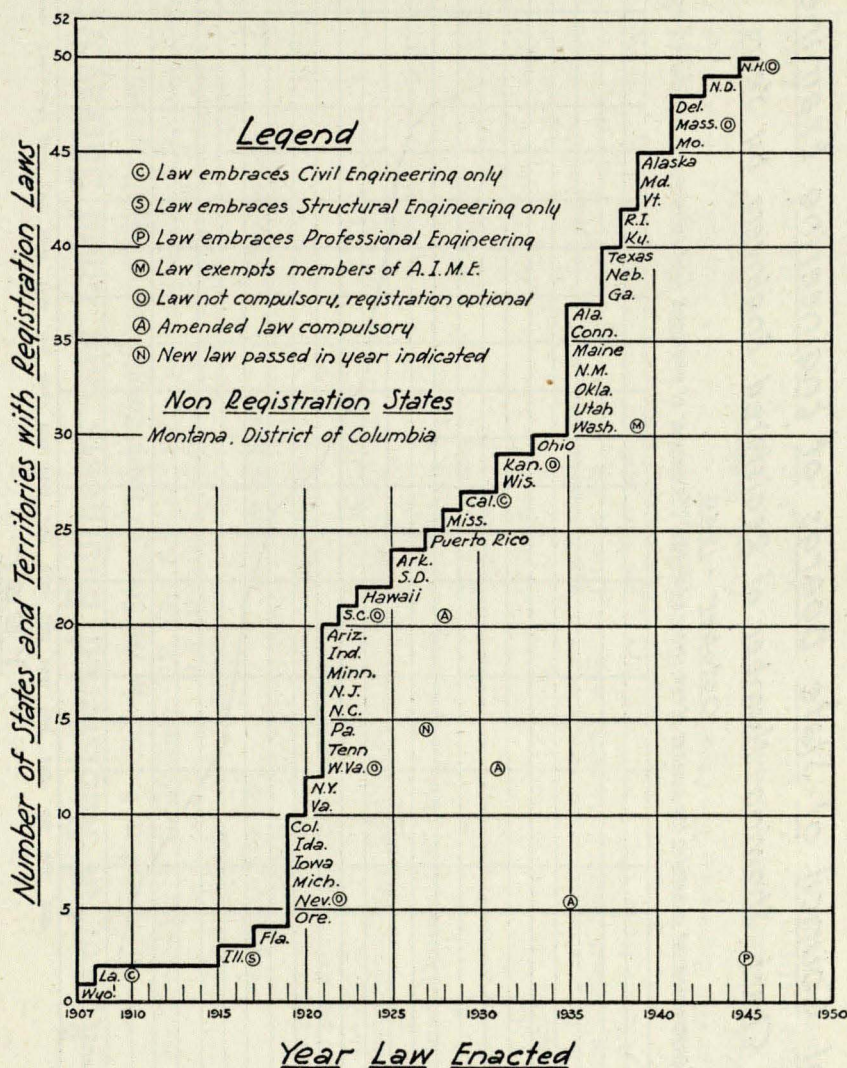


Chart of Progressive History of Engineer Registration  
in the United States of America

October 1946

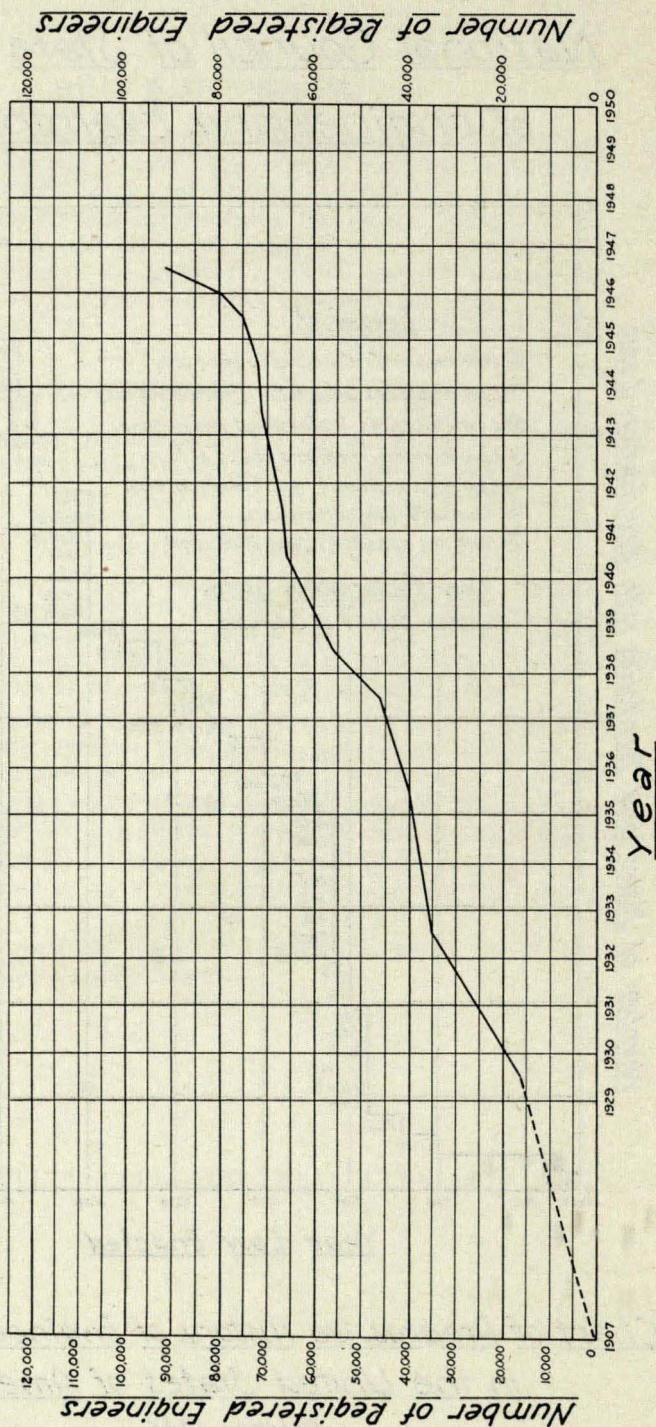


# National Council of State Boards of Engineering Examiners

## Chart Showing Number of Registered Engineers by Years

October - 1946

*Note: Registered land surveyors are not included in the number of registered engineers. The number of registered land surveyors in 1929 was 619 and in 1946 it is 10,353*





# Roster of Registered Engineers and Land Surveyors

Authorized to Practice in the State of South Carolina, as of August 1, 1946

Key to abbreviations in classification: C.E., Civil Engineer; E.E., Electrical Engineer; E.M., Mining Engineer; M.E., Mechanical Engineer; L.S., Land Surveyor; N.A., Naval Architect.

Name and Position	Mail Address	Classification	Date	Certificate No.
ABLE, THOMAS A., Jr., Engr., Fiske-Carter Const. Co.	Greenville, S. C.	C.E.	6-25-46	769
ADAMS, DAVID G., Purchasing Agent, Layne Atlantic Co.	P. O. Box 1568, Norfolk, Va.	C.E., L.S.	3-22-23	70
ADAMS, J. K., Chief Struct. Designer, J. E. Sirmine & Co., Engrs.	Box 1024, Greenville, S. C.	C.E.	3-22-23	72
ADAMS, R. R., J. E. Sirmine & Co., Engrs.	P. O. Box 960, Greenville, S. C.	C.E., L.S.	6-21-38	460
ADAMS, T. C., City Engineer	Greenville, S. C.	C.E.	6-22-26	307
ALLEN, E. L., Resident Engineer, Shultze & Armistead, Archs.	411 E. Amelia Ave., Orlando, Fla.	C.E., L.S.	7-12-32	375
ALLEN, JULIAN H.,	634 Otis Blvd., Spartanburg, S. C.	M.E.	6-25-46	784
ANDERSON, JOHN, Prof. of Civil Engineering, The Citadel	Charleston, S. C.	C.E.	9-14-22	7
ANDERSON, NOEL S., Distr. Engr., Public Roads Administration	Creason Building, Columbia, S. C.	C.E., E.M.	3-22-23	246
ANDERSON, PAUL H., The Harwood Beebe Co.	Woodruff, S. C.	C.E., L.S.	7-12-32	376



ANDERSON, S. PICKENS, Assistant City Engineer	281 Calhoun St., Charleston, S. C.	C.E., L.S.	6-25-46	772
ANDREWS, CHARLES C., City Engineer	RFD No. 1, Anderson, S. C.	L.S. C.E.	12-7-43 12-4-45	610
ARMSTRONG, GEORGE S., Pres., George S. Armstrong & Co.	52 Wall Street, New York, 5, N. Y.	C.E., M.E.	5-1-39	482
ARNOLD, RICHARD S., Dist. Chief Engr., Carrier Corp.	300 Ivy St., Atlanta, 3, Ga.	M.E.	12-4-45	670
ASBURY, A. D., Partner, J. E. Strine & Co., Engrs.	215 S. Main Street, Greenville, S. C.	M.E.	12-1-42	593
ASTON, WALTER G., Construction Examiner, F.H.A.	1017 Laurens St., Columbia, S. C.	C.E.	12-5-45	683
AULL, L. B., Jr., Asst. District Engineer, State Highway Dept.	7 W. Augusta Dr., Greenville, S. C.	C.E., L.S.	12-3-35	415
BABB, ROBERT E., Jr., Constr. Engr., S. C. Power Co.	11 Beverly Rd., Windemere, Charleston, 50, S. C.	C.E., L.S.	7-11-33	384
BAILEY, O. A., Chief Engr., Chicago Bridge & Iron Co.	1305 West 105th St., Chicago, 43, Ill.	C.E.	11-19-23	277
BARBER, BRUCE P., Pres., Tomlinson Engineering Co.	1307 Marion St., Columbia, S. C.	C.E., L.S.	7-13-37	445
BARNWELL, ROBERT E., Vice-Pres. & Sou. Representative, Lockwood Greene Engrs., Inc.	Montgomery Bldg., Spartanburg, S. C.	M.E.	7-13-37	442
BARRE, B. H., Chief Engr., S. C. Public Service Commission.	Lexington, S. C.	E.E.	12-6-32	380
BAUER, JACOB W., Tomlinson Engineering Co.	P. O. Box 1116, Columbia, S. C.	L.S.	6-17-41	546
BEARDEN, WALTER C., Partner, Carter & Bearden	407 Legal Bldg., Asheville, N. C.	C.E.	6-25-46	758



BEAUDROT, CLARENCE L., Engr., Greenwood Telephone Co.	C.E., L.S.	6-25-46	785
BECKHAM, W. K., Maintenance Engr., State Highway Dept.	C.E., L.S.	9-14-22	10
BEEBE, HARWOOD, Municipal and Civil Engineer, Chairman, State Board of Engineering Examiners	C.E., L.S.	3-22-23	88
BELL, JOHN D., Jr., Sales Engr., Carolina Wholesale Co.	E.E.	12-4-45	681
BELLINGER, GEORGE K., State Highway Dept.	C.E., L.S.	6-26-46	774
BELLINGER, HARRY O'B., Asst. City Engineer	C.E., L.S.	3-22-23	86
BENSON, JAMES I., Lt. Com., C. E. C., U. S. N. R., Asst. Public Works Officer	C.E.	12-3-40	542
BERRY, RALPH P., Vice-Pres., Southeastern Concrete Prod. Co.	C.E.	6-25-46	796
BISHOP, ROY P., Col., Deputy Chief, Intel. and Security Division, U. S. Army	C.E., L.S.	12-5-22	40
BLACKMON, H. J., Chief of Surveys and Plans, State Highway Department	C.E., L.S.	7-13-37	446
BLACKWELDER, C. DAVIS, Vice-Pres., in Charge of Eng., Reynolds Metals Company.	C.E., M.E.	6-22-26	306
BOLT, W. CARLISLE, Registered Land Surveyor	L.S.	7-13-37	440



BOLTON, A. P., Paving Engr., Mocasphalt Corp.	P. O. Box 627, Lakeland, Fla.	C.E.	12-4-45	699
BOONE, L. C., County Engineer, Orangeburg County	Orangeburg, S. C.	C.E.	9-14-22	11
BOWEN, WILLIAM C., Lt. Col., Corps of Engrs.	Rainbow Lake, RFD No. 2, Chesnee, S. C.	C.E., L.S.	7-11-33	383
BOYKIN, A. B., Land Surveyor	P. O. Box 53, Camden, S. C.	L.S.	3-22-23	76
BOYKIN, T. A., Engineer, S. C. Aeronautics Commission	3107 Wilnot Ave., Columbia, 34, S. C.	C.E., L.S.	3-22-23	77
BOZEMAN, F. B., Electrical Dept., J. E. Sirrine & Co., Engrs.	38 Aberdeen Ave., Greenville, S. C.	E.E.	12-3-35	407
BRADLEY, H. P.,	149 Wentworth St., Charleston, S. C.	L.S.	6-26-46	738
BRANDT, ERNST H., Jr., Pres., Reliance Engineering Co., Inc.	P. O. Box 1292, Charlotte, N. C.	M.E.	7-19-46	795
BRAUNGART, GEORGE, Jr., Pres., Engineering Contractors, Inc.	611 Bona Allen Bldg., Atlanta, Ga.	M.E.	12-4-45	671
BREWER, RAYMOND G., War Dept., U. S. Engineer Office	McDill Field, Tampa, Fla.	L.S.	6-20-44	618
BRICE, CHARLES M., Jeff Hunt Road Machinery Co.	913 N. Ave., W. Columbia, S. C.	C.E., L.S.	3-22-23	85
BRIGGS, W. A., Engr. and Land Surveyor	326 Hampton Ave., Greenville, S. C.	C.E., L.S.	3-22-23	83
BRIGHT, JAMES A., Operating Engr., Santee-Cooper Authority	Box 463, Moncks Corner, S. C.	E.E.	12-5-39	508
BRINSON, J. OTTO, Surveyor	97-B Cypress Drive, North Charleston, S. C.	L.S.	6-18-40	513
BRODIE, OREN B., Construction Engineer	Ridge Springs, S. C.	C.E.	6-25-46	755



BROWN, ALEC T., City Engineer	52 S. Middleton St., Orangeburg, S. C.	C.E., L.S.	3-22-23	79
BROWN, HARRISON M., Gair Woodlands Corp.	2646 Adams St., Wilmington, N. C.	L.S.	6-27-46	747
BROWN, JULIAN D., Surveyor and Farmer	RFD Johnsonville, S. C.	L.S.	6-18-40	516
BRUCE, JAMES Q., Land Surveyor	Route 2 Campobello, S. C.	L.S.	12-4-45	667
BUELL, CLARK H., State Highway Dept.	3307 Murray St., Columbia, 55, S. C.	C.E.	12-4-45	675
BUENSOD, ALFRED C., Pres., Buensod-Stacey, Inc.	60 East 42nd St., New York, 17, N. Y.	M.E.	8-14-44	628
BULL, J. L., Jr., Civil Engineer	202 Cannon St., Georgetown, S. C.	C.E., L.S.	7-8-30	357
BURDEN, HENRY S., Architect	P. O. Box 616, Summerville, S. C.	C.E.	3-22-23	78
BURDETTE, L. W., J. E. Sirrine & Co., Engrs.	215 S. Main St., Greenville, S. C.	E.E.	6-25-46	767
BURSLEY, HAROLD B., Civil and Landscape Engineer	2038 Beverly Drive, Charlotte, 4, N. C.	C.E.	7-8-30	349
BUSH, L. RALPH, Electrical Engineer	723 W. Peachtree St., N. W., Atlanta, Ga.	E.E.	2-14-40	510
BUSSEY, H. E., Engineering Consultant, General Electric Co.	Box 4659, Atlanta, Ga.	M.E., E.E.	4-21-25	293
BYERS, E. D., Civil Engineer	608 Palmetto Bldg., Columbia, S. C.	C.E., L.S.	3-22-23	80
BYRD, MACK J., U. S. Engineer Office	410 Mixon Ave., N. Charleston, S. C.	L.S.	6-27-46	751
CABELL, JOHN BELL, J. E. Sirrine & Co., Engrs.	215 S. Main St., Greenville, S. C.	C.E., L.S.	3-12-46	610



CAIN, CHARLES L.					
CAMPBELL, A. P., Vice-Pres., Gilbert Associates, Inc.	Pinopolis, S. C. 412 Washington St., Reading, Pa.	C.E.,L.S. C.E.	6-26-46 7-9-35	773 411	
CANNON, O. B., Supt. of Newberry Schools and Surveyor	P. O. Box 415, Newberry, S. C.	L.S.	12-5-22	63	
CARPENTER, R. E., R. E. Carpenter & Co.	P. O. Box 851 Shelby, N. C.	C.E.	12-4-45	674	
CAUGHMAN, M. WISE, Manager, Mid-Carolina Electric Cooperative, Inc.	P. O. Box "C", Lexington, S. C.	E.E.	6-18-40	530	
CEHAN, FUGENE, G., J. E. Sirrine & Co., Engrs.	336 W. Earle St., Greenville, S. C.	C.E.,L.S.	6-26-46	786	
CHAPMAN, C. C.	Room 105, The County Center, Charleston, S. C.	C.E.,L.S.	3-12-46	725	
CHAPMAN, FRANCIS W., Supt., Commissioners of Public Works	704 North St., Greenwood, S. C.	E.E.	6-16-42	580	
CHAPMAN, ROBERT H., Vice-Pres., Inman Mills & Riverdale Mills	P. O. Box 1714, Spartanburg, S. C.	M.E.	3-22-23	99	
CHEWNING, C. C., Maint. Supt., State Highway Dept.	Box 169, Walterboro, S. C.	C.E.,L.S.	12-2-30	362	
CHISOLM, EDWARD N., Lt. Col. (Retired), U. S. Engineer Corps	3505 Monroe St., Columbia, S. C.	C.E.,L.S.	12-2-41	560	
CHRISTENSEN, ARTHUR O., Surveyor	Beaufort, S. C.	E.M.,L.S.	7-8-30	354	
CLARK, WILLIAM A.	Heyward Hall Plantation, Wimmsboro, S. C.	L.S.	6-15-43	596	
COKER, HUGH J.	826 Longstreet St., Kingstree, S. C.	C.E.,L.S.	3-13-46	730	



COLEMAN, J. HEARST, J. Hearst Coleman Co., Engrs.	248 Jennings Ave., Greenwood, S. C.	C.E., L.S.	7-11-33	385
COLLINS, ROBERT S.	220 Woodrow St., Columbia, 61, S. C.	C.E., L.S.	6-20-39	487
COMMANDER, A. C., Rue Berlowitz & Commander, Architects-Engineers	4329 N. Western Ave., Oklahoma City, Okla.	C.E.	12-4-45	689
CORDLE, THOMAS L., City Manager and Engineer	P. O. Box 109, Lancaster, S. C.	E.E., C.E., L.S.	6-25-46	759
COTHRAN, M. L.	1013 Market St., Timmons ville, S. C.	L.S.	7-14-36	421
COURTNEY, MARION I.	Croft Bldg., Aiken, S. C.	L.S.	3-13-46	713
COVINGTON, JAMES F., Chief of Operations, U. S. Engineers, Military Const., War Dept., Fort Bragg, N. C.	117 N. Everett St., Bennettsville, S. C.	C.E., L.S.	3-22-23	91
COWARD, FRED L., Land Surveyor, D. W. Alderman & Sons Co.	Alcolu, S. C.	L.S.	7-13-37	439
CRANWELL, JACK P., Assoc. Engr., U. S. Naval Shipyard	Box 146, Mt. Pleasant, S. C.	C.E., L.S.	12-4-45	700
CROSETT, ALEXANDER D., Industrial Engineer	27 William St., New York, 5, N. Y.	C.E.	12-4-45	678
CROUCH, JACOB E., U. S. Engineer Office	Charleston, S. C.	L.S.	3-12-46	702
CROUT, MARVIN M., Southern Dist. Mgr., York Corp.	P. O. Box 2210, Atlanta, Ga.	M.E.	12-4-45	672
CRUM, W. ELLIOTT, State Highway Dept.	Columbia, 10, S. C.	C.E.	6-21-38	462



CUMBUS, GEORGE W., Struc. Engr., J. E. Sirmine & Co.	Greenville, S. C.	C.E.	6-15-43	607
CULLUM, F. E.	Summerton, S. C.	C.E., L.S.	6-26-46	790
CULLUM, WILLIAM O., S. C. Aeronautics Commission	616 Meeting St., W. Columbia, S. C.	L.S.	12-4-45	666
CULLUM, U. X., Secretary-Treasurer, Batesburg-Leesville Chamber of Commerce	Batesburg, S. C.	E.E.	12-5-39	503
DALE, F. A.,	Cashier's, N. C.	C.E., E.E., L.S.	12-6-38	476
DALTON, R. E., Dalton & Neves, Civil Engrs.	23-A South Main St., Greenville, S. C.	C.E.	12-5-22	64
DANIELS, F. W., Chief Engr., H. K. Ferguson Co.	1650 Hanna Bldg., Cleveland, 15, Ohio	C.E.	4-24-46	732
DAVIDSON, PHILIP L., Consulting Engineer	P. O. Box 2235, Greenville, S. C.	M.E.	6-20-45	655
DAVIS, LEROY M., Hydraulic Engineer, Public Utility Engineering & Service Corp.	206 Bryant Ave., Glen Ellyn, Ill.	M.E., C.E., L.S.	6-20-44	619
DAWSEY, CYRUS B.	310 West Earle St., Greenville, S. C.	L.S.	6-26-46	740
DAWSON, LOUIS Y., Sr. Member, Dawson Engineering Co.	Box 535, Charleston, S. C.	C.E., L.S.	12-5-22	42
DAWSON, LOUIS Y., Jr., Member, Dawson Engineering Co.	P. O. Box 535, Charleston, S. C.	C.E., L.S.	3-22-23	101
DEAN, FRANCIS FURMAN, Tenn. Eastman Corp.	1522 Linville St., Kingsport, Tenn.	E.E., M.E.	7-10-34	396
DEVER, HARRY C., Southeastern District Representative Copperweld Steel Co.	1105 Rhodes Haverly Bldg., Atlanta, 3, Ga.	C.E.	12-4-45	695



DIBBLE, WORTHAM W., State Highway Dept.	Columbia, 10, S. C.	C.E.	6-17-41	552
DICKSON, W. K. Dickson & Stillwell, Inc.	404½ S. Tryon St., Charlotte, N. C.	C.E., L.S.	7-8-30	351
DILL, ROBERT C., Engr., Reynolds Metals Co.	Reynolds Metals Bldg., Richmond, 19, Va.	M.E., E.E.	6-20-44	620
DISHER, JOHN H., Jr., Southern Electric Company	542 King St., Charleston, S. C.	E.E.	6-18-40	526
DIXON, ROBERT B.	City Hall, Sumter, S. C.	C.E., L.S.	3-12-46	722
DOAR, WILLIAM R., Distribution Engr., Carolina Power & Light Co.	Box 1551, Raleigh, N. C.	E.E.	6-16-42	585
DOTTERER, E. GAILLARD, Pres., Dotterer Engineering Co.	Box 495, Charleston, S. C.	C.E.	12-5-33	387
DOTTERER, JOHN B., Civil Engineer	311 Peoples' Office Bldg., Charleston, 3, S. C.	C.E., L.S.	6-20-44	621
DROBILE, ALBERT W., Textile Engineering Consultant	311 West Ave., Wayne, Pa.	M.E.	12-1-42	592
DUBOSE, D. S., Civil Engineer and Land Surveyor	117 Edwards Ave., Darlington, S. C.	C.E., L.S.	5-20-33	352
DUGGAR, L. G., Lieut. Col., A. C.	145 Oak Forest Drive, Montgomery, 7, Ala.	C.E., L.S.	6-21-38	462
DUKES, ROBERT C., McCall-Thomas Engineering Co.	10 Victory Dr., Nafair, Charleston, S. C.	E.E.	3-12-46	724
DUKES, WILLIAM W., Jr., Elec. and Mech. Engr., Applied Engrg. Co.	29 Ellis Ave., Orangeburg, S. C.	E.E., M.E.	12-4-45	697
DUNCAN, DANIEL T., American Construction Co.	3515 Devereaux Rd., Columbia, S. C.	C.E., L.S.	12-5-33	393



DUPRE, JOHN Y.					517
DURLACH, MARCUS R., Jr., Assoc. Prof., University of S. C.	McClellanville, S. C.	L.S.	6-18-40		517
EADDY, ERNEST J., Gen. Mgr., The Textile Shop	Columbia, S. C.	M.E.	12-4-45		690
EARLE, HARRY U.	Drawer 1330, Spartanburg, S. C.	C.E.	6-20-39		486
EARLE, SAMUEL B., Dean, School of Engineering, Clemson College	Walhalla, S. C.	L.S.	12-5-22		43
EASLEY, ROBERT L., State Highway Dept.	Riggs Hall, Clemson, S. C.	M.E.	12-7-43		611
EDWARDS, ERNEST E., Jr., Partner, Tomlinson Engineering Co.	600 Pickens St., Columbia, S. C.	E.E.	12-5-45		682
ELLISON, CLARENCE H., Jr. Southern Cement Co.,	1307 Marion St., Columbia, S. C.	C.E., L.S.	6-16-42		586
EMERSON, J. PAUL, U. S. Engineer Office	Box 579, Atlanta, Ga.	C.E.	7-11-33		386
EMERSON, L. A., Partner, Tomlinson Engineering Co.	Clark Hill Project, Augusta, Ga.	L.S.	12-2-41		562
ERVIN, A. L., Civil Engineer and Land Surveyor	1307 Marion St., Columbia, S. C.	C.E., L.S.	9-14-22		15
FARIS, HENRY M., Manager, Laurens Electric Cooperative, Inc.	P. O. Box 3, Florence, S. C.	C.E., L.S.	3-22-23		105
FARRELL, ARTHUR W., Design Engineer, W. F. Freeman, Engrs.	Box 337, Laurens, S. C.	E.E.	12-5-44		634
FETNER, A. HEYWARD, Chief Draftsman, S. C. Electric & Gas Co.	P. O. Box 1011, High Point, N. C.	C.E.	12-5-44		636
FIELD, ARTHUR M., Chief Engr., Charleston Development Board	Box 510, Rt. 4, Columbia, S. C.	L.S.	12-4-45		664
	P. O. Box 141, Charleston, S. C.	C.E.	12-5-45		693



FIELD, ERNEST G., E. G. Field & Associates	1101 Hurt Bldg., Atlanta, 3, Ga.	M.E.	12-4-45	676
FILBY, E. L., Prim. Asst. Engr., Black & Veatch	4706 Broadway, Kansas City, 2, Mo.	C.E.	3-22-23	114
FINLEY, LESLIE L., Jr. Engr., U. S. Geological Survey	1302 Kinderway, Columbia, 47, S. C.	L.S.	12-1-42	591
FISHBURNE, CLARENCE L., Jr., Engr., Federal Power Commission	421 Grant Bldg., Atlanta, 3, Ga.	E.E.	7-14-36	427
FITCH, FRANCIS BURT, Jr., Engr., Lee Engineering Corp.	1027 E. Morehead St., Charlotte, 3, N. C.	C.E., L.S.	7-9-35	402
FLOYD, G. T.,	Manning, S. C.	C.E., L.S.	9-14-22	16
FLOYD, J. B.	Manning, S. C.	L.S.	12-7-37	452
FLOYD, M. H.,	113 E. Taylor St., Savannah, Ga.	L.S.	12-7-43	609
FOSTER, HENRY H., West Va. Pulp & Paper Co.	Box 883, Summerville, S. C.	L.S.	12-4-45	669
FOSTER, JENNINGS W., Sales Engr., Van Smith Bldg. Materials Co.	P. O. Box 444, Summerville, S. C.	C.E.	3-22-23	111
FRASER, BENJAMIN P., 3rd,	P. O. Box 204, Beaufort, S. C.	L.S.	6-19-45	646
FRAZIER, HARRY LEE, Jr., Asst. Engr., J. F. Cleckley Const. Co.	Box 209, Orangeburg, S. C.	C.E., L.S.	6-26-46	792
FRICK, DANIEL F., Sr. Sanitary Engr., S. C. State Board of Health	433 Wade Hampton Bldg., Columbia, 10, S. C.	C.E.	6-15-43	600
FRIPP, HARRY M., County Clerk and Land Surveyor	Walterboro, S. C.	L.S.	12-4-45	668
FRY, E. D., Supt., Greater Greenville Sewer District	Box 1416, Greenville, S. C.	C.E., L.S.	3-22-23	112



FUCIK, E. MONTFORD, Associate, Harza Engineering Co.	205 W. Wacker Drive, Chicago, 6, Ill.	C.E., L.S.	6-20-39	492
FURMAN, THOMAS deS.	Box 394, Edgefield, S. C.	C.E., L.S.	3-13-46	719
FUSSELL, J. A., Jr., Field Engr., Rural Electrification Adm.	U. S. Dept. of Agriculture, Washington, 25, D. C.	E.E.	12-2-41	564
GAILLARD, J. P., Gaillard & Gaillard	23 Broad St., Charleston, S. C.	C.E.	3-22-23	117
GAILLARD, Wm. LUCAS, Gaillard & Gaillard	23 Broad St., Charleston, S. C.	L.S.	12-7-37	453
GAMBILL, RUSSELL F., Chief Engineer Espy Paving & Construction Co.	P. O. Box 196, Savannah Beach, Fla.	C.E.	6-20-39	494
GAMBLE, THOMAS G.	Turbeville, S. C.	L.S.	3-13-46	706
GANDY, R. B.,	3130 Duncan St., Columbia, 34, S. C.	C.E., L.S.	3-22-23	119
GARETY, J. H., Engr., Port Utilities Comm.	34 Society St., Charleston, S. C.	C.E.	12-3-29	345
GAUGER, RAYMOND J., Consulting Engineer	23 Campbell Bldg., Augusta, Ga.	C.E.	6-12-40	512
GETTYS, J. T., Jr. Civil Engineer	Box 352, Camden, S. C.	C.E., L.S.	6-21-38	379
GIBSON, J. E., Mgr. and Engr., Water Dept., Com. Public Wks.	113 Ashley Ave., Charleston, S. C.	C.E.	3-22-23	244
GILLESPIE, WYLLIE W., Smith & Gillespie, Engineers	P. O. Box 1048, Jacksonville, Fla.	C.E., L.S.	9-3-42	589
GLADSTONE, SAMUEL M., Sr.	422 Hazard St., Georgetown, S. C.	L.S.	12-4-45	661



GLEN, A. LEONARD, Private Engineer	Edisto Island, S. C.	C.E., L.S.	6-19-23	264
GLENN, H. E., Chief, Planning Division, Research, Planning and Development Board	Clemson, S. C.	C.F., L.S.	6-21-38	461
GOOCH, JOSEPH HESTER, Partner, Gooch & Taylor, Surveyors	102½ Kennedy Place, Spartanburg, S. C.	L.S.	7-10-34	397
GOODING, W. J., Jr., Bridge Engineer, State Highway Dept.	State Office Bldg., Columbia, 10, S. C.	C.E.	7-13-37	447
GOODWIN, JAMES W., Pres., J. W. Goodwin Engineering Co.	726 S. 29th St., Birmingham, 5, Ala.	C.E.	4-29-46	734
GOURDIN, P. G., Civil Engineer and Surveyor	Kingstree, S. C.	C.E., L.S.	9-14-22	18
GRADICK, L. E.,	2115 Forbes St., Jacksonville, Fla.	C.E., L.S.	7-12-32	377
GRAVES, JOHN H., Asst. Dist. Engr., Southern Cotton Oil Co.	1519 Charlton Dr., Columbia, S. C.	E.E.	12-4-45	691
GREACEN, WALTER, 3rd, Mech. Engr., N. Y. C. Electric & Gas Corp.	62 Henry St., Binghamton, N. Y.	M.E.	9-27-40	534
GREEN, L. LOUIS, Jr., Vice-Pres. and Gen. Mgr., Char. Shipbuilding & Dry Dock Co.	P. O. Box 845, Charleston, S. C.	N.A.	7-14-31	368
GUERRY, DuPONT, Jr., Vice-Pres., Huntington & Guerry, Inc.	Greenville, S. C.	E.E.	6-25-46	779
GUNBY, FRANK McC., Consulting Engr., Chas. T. Main, Inc.	201 Devonshire St., Boston, Mass.	E.E., M.E.	7-9-35	408
HAILE, JACK	Heath Springs, S. C.	L.S.	3-13-46	711
HALFACRE, W. B., Land Surveyor	Newberry, S. C.	L.S.	6-15-43	597



HALL, RALPH H.,	5816 Bayshore Blvd., Tampa, 6, Fla.	L.S.	12-1-36	429
HAMILTON, LEGARE, Sec. and Asst. Mgr., Waccamaw Power Co.	132 St. James St., Georgetown, S. C.	C.E., L.S.	6-21-38	428
HARDESTY, SHORTRIDGE, Hardesty & Hanover	101 Park Ave., New York, 17, N. Y.	C.E.	12-4-28	330
HARDIN, L. H.,	322 S. Harden St., Columbia, S. C.	E.E., M.E.	12-3-35	414
HARLESTON, FRANCIS M., Civil Engr., U. S. Naval Base	Route 5, Box 423-N, Charleston, S. C.	L.S.	6-21-38	468
HARPER, SAMUEL D., W. D. Harper & Co.	325 Evans St., Florence, S. C.	C.E.	3-13-46	718
HARRELL, GRADY S., County Surveyor, Robeson County, N. C. Member, N. C. State Board of Registration for Engineers and Land Surveyors	RFD No. 1, Shannon, N. C.	L.S.	6-19-45	645
HARRIS, FREDERIC R., Consulting Engineer	27 William St., New York, 5, N. Y.	C.E.	5-25-42	578
HARRIS, W. E.,	Box 607, Lancaster, S. C.	C.E., L.S.	3-22-23	123
HARRISON, F. P., Schutze & Armistead	P. O. Box 7146, New Orleans, La.	E.E.	3-22-23	137
HARTE, JOHN J., Pres., John J. Harte Co.	P. O. Box 2192, Atlanta, Ga.	C.E.	12-5-44	629
HARZA, L. F., Pres., Harza Engineering Co.	205 W. Wacker Dr., Chicago, 6, Ill.	C.E., E.E., L.S.	12-6-38	475
HASKELL, GEORGE W.	YMCA, Sumter St., Columbia, S. C.	L.S.	6-26-46	742
HAWES, EDWARD, City Engineer	16 Green St., Orangeburg, S. C.	C.E., L.S.	3-22-23	136



HAYES, HAROLD D., J. E. Sirrine & Co., Engrs.	215 S. Main St., Greenville, S. C.	C.E., L.S.	6-25-46	760
HAZLEHURST, WILLIAM Y.	Forest Acres, Columbia, S. C.	L.S.	3-13-46	703
HEINRICH, CHESTER J., Chief Engr., J. A. Jones Construction Co., Wainwright Yard	Panama City, Fla.	M.E.	6-15-43	606
HENDERSON, THOMAS W., Engr. and Supt., Aiken Electric Cooperative, Inc.	Box 417 Aiken, S. C.	E.E.	12-3-40	543
HENDRICKS, LEON A., State Highway Dept.	1013 Gregg St., Columbia, S. C.	C.E., L.S.	6-26-46	770
HENDRIX, THERON J., State Highway Dept.	4313 Verner St., Columbia, S. C.	C.E., L.S.	6-26-46	775
HERBERT, WALTER C., Director, Elec. Util. Div., Public Service Com. Member, State Board Engr. Exmrs.	329 Wade Hampton Bldg., Columbia, 10, S. C.	E.E., M.E.	12-1-31	372
HERNDON, CHARLES H., Jr.	Box 288, Greenwood, S. C.	L.S.	12-3-40	539
HICKLIN, W. J., Capitol Concrete Co.	Box 4787, Jacksonville, 1, Fla.	C.E.	3-22-23	121
HILL, BURROW, Supt., Sloan Construction Co., Inc.	4 Whitman St., Orangeburg, S. C.	C.E.	3-22-23	134
HILL, FRANK, Associate, George Hill, Engr.	P. O. Box B, Wellford, S. C.	M.F., E.E.	6-21-38	459
HILL, GEORGE, Mechanical and Electrical Engineer	P. O. Box B, Wellford, S. C.	M.E., E.E.	6-19-23	266
HILL, WILLIAM B., Jr., Gair-Santee Corp.	2733 C Adams St., Wilmington, N. C.	L.S.	6-27-46	744



HILLS, ROBERT S., State Highway Dept.	64 Sixth St., Wagener Terrace, Charleston, 22, S. C.	C.E., L.S.	3-12-46	728
HINES, JOE DAVIS, Ensign, U. S. N. R.	568 Thomas St., Spartanburg, S. C.	C.E.	12-5-45	692
HINSON, FRANK E.	622 S. Coit St., Florence, S. C.	L.S.	3-13-46	705
HIPP, JOHN C., Engr., Lockwood-Greene Engrs., Inc.	Montgomery Bldg., Spartanburg, S. C.	C.E., L.S.	11-15-29	341
HOGAN, JOHN P., Parsons, Brinckerhoff, Hogan & Macdonald	142 Maiden Lane, New York, 7, N. Y.	C.E., E.E., M.E.	12-3-35	418
HOLMAN, A. E., A. E. Holman & Sons, Engrs.	Murray Ave. & Townsend St., Anderson, S. C.	E.E., M.E.	3-22-23	120
HOLLYFIELD, JOHN B., John B. Hollyfield, Engr.	4501 Prospect Ave., Cleveland, Ohio	C.E.	12-2-41	570
HOLT, D. T.	Wateree, S. C.	L.S.	3-22-23	126
HOSHALL, ROBERT H., Allen & Hoshall, Cons. Engrs.	65 McCall Place, Memphis, 3, Tenn.	M.E.	7-8-41	553
HOWE, G. M., Asst. City Engineer	P. O. Box 807, Charleston, S. C.	C.E., L.S.	9-14-22	20
HUBBEL, CHARLES G., Consulting Engineer	824½ E. Trade St., Charlotte, N. C.	C.E.	12-5-39	497
HUGHSTON, THOMAS L.	573 Boyd St., Spartanburg, S. C.	C.E., L.S.	3-12-46	729
HUNTER, SAM M., J. E. Sirrine & Co., Engrs.	215 So. Main St., Greenville, S. C.	C.E., L.S.	3-22-23	138
HUNTINGTON, R. S., Pres. & Elec. Engr., Huntington & Guerry, Inc.	Box 270, Greenville, S. C.	E.E.	6-22-26	304
HURD, CHARLES H., Consulting Engineer	333 N. Penna. St., Indianapolis, 4, Ind.	C.E., M.E.	1-3-46	701



HUTTO, WALTER C., Owner, Hutto Equipment Co.	835 Meeting St., W. Columbia, S. C.	C.E., L.S.	7-14-36	426
INGRAM, LIONEL	4-B McDaniel Hts. Apts., Greenville, S. C.	C.E., L.S.	3-12-46	716
JACKSON, JOHN M., Jr., Civil Engineer	P. O. Box 522, Bennettsville, S. C.	C.E., L.S.	12-5-39	506
JAEGER, WM. A., Chief Engr., in Charge of Design, Naval Operating Base, Giffels & Vallet, Inc.	Norfolk, 11, Va.	C.E., L.S.	1-18-45	642
JENNINGS, CARSON G., Structural Engr.				
JERVEY, E. D., Engr., Sanitary and Drainage Commission for Charleston County.	P. O. Box 1285, Durham, N. C.	C.E.	12-5-44	641
JOHNSON, J. M., Director, Office of Defense Transportation Member, Interstate Commerce Commission Johnson & Roberts, Civil Engrs. (Marion, S. C.)	The Center, Room 436, Charleston, 29, S. C.	C.E.	3-22-23	144
JOHNSON, R. C., Consulting Engineer	Washington, D. C.	C.E., L.S.	3-22-23	146
JOHNSON, QUENTIN S.				
JONES, CHARLES M.	1206 Palmetto Bldg., Columbia, S. C.	C.E.	12-5-33	394
JONES, L. FRANK, Electrical Engineer	620 S. Holly St., Columbia, S. C.	L.S.	3-13-46	707
JORDON, T. M., Civil Engineer	Croft Bldg., Aiken, S. C.	L.S.	3-13-46	712
JOYNER, A. NICHOLAS	601 Grand Bldg., Macon, Ga.	E.E.	6-25-46	787
	Box 202, Myrtle Beach, S. C.	C.E.	7-9-29	334
	Lancaster, S. C.	L.S.	6-27-46	745



KEELS, JOSEPH Vice-President and Treasurer Tomlinson Engineering Co.	1307 Marion St., Columbia, S. C.	C.E.,L.S.	12-5-22	49
KEIS, F. J., Keis & Holroyd, Cons. Engrs.	257 Broadway, Troy, N. Y.	C.E.	12-2-30	360
KERSHAW, JOHN KNOX, Vice-Pres. and Chief Engr., Royce Kershaw Co.	P. O. Box 510, Montgomery, Ala.	C.E.	9-5-42	590
KINARD, ADAM R., Eng. Section, Electric Shop Charleston Navy Yard	Box 64, Summerville, S. C.	E.E.	12-5-44	640
KING, JAMES N., Jr., County Engineer	Court House, Gaffney, S. C.	C.E.	6-16-42	587
KLEIN, EDWARD W., Southeastern District Manager, Warren Webster & Co.	152 Nassau St., N. W., Atlanta, 3, Ga.	M.E.	12-1-36	433
KNOTH, ROBERT F., Robert F. Knoth & Co.	39 Broad St., Charleston, S. C.	L.S.	6-18-40	514
KOCH, GEORGE T., Chief Consulting Engineer, Engineering Service, Inc., of America	3437 Goldner, Detroit, 10, Mich.	M.E.	8-20-46	797
KOON, C. DOYLE, Sanitary Engineer, Army Air Forces	Box 639, Tyndall Field, Fla.	C.E.,L.S.	12-5-44	639
LaBRUCE, GEORGE H., Housing Authority of City of Charleston	175 Queen St., Charleston, 28, S. C.	C.E.,L.S.	5-2-44	156
LaBRUCE, J. BRYCE, Supt. of Const., Simons-Mayrant Co.	131 Ashley Ave., Charleston, S. C.	C.E.,M.E.,L.S.	3-22-23	157
LANIER, WILLIAM F., Jr., Assoc. Engr., U. S. Engineer Office	Charleston, S. C.	C.E.,L.S.	6-26-46	794
LaTORRE, SALVADOR, Resident Engr., State Highway Dept.	Elloree, S. C.	C.E.,L.S.	6-26-46	771



LAWRENCE, FRANK E., Industrial Engineer	381 Main St., Groveland, Mass.	C.E., L.S.	12-6-38	470
LEE, A. C., Pres., Lee Engineering Corp.	Box 1378, Charlotte, N. C.	C.E., E.E.	6-21-38	463
LEGARÉ, T. KEITH, Sec'y, State Bd. Engineering Examiners Sec'y, Natl. Council State Bds. Eng. Exam's.	505 Carolina Life Bldg., Columbia, S. C.	C.E., L.S.	9-14-22	3
LELAND, WILLIAM B.	McClellanville, S. C.	E.E.	4-9-46	731
LELAND, WOODROW W.	Box 132, Moncks Corner, S. C.	L.S.	12-4-45	659
LESLIE, THOMAS J., Professor of Mathematics, Erskin College	Box 112, Due West, S. C.	L.S.	12-6-38	472
LETÉLLIER, L. S., Head, Dept. of Engineering, The Citadel Member, State Bd. of Engineering Exam's.	The Citadel, Charleston, S. C.	C.E.	9-14-22	2
LEVER, S. R., State Highway Dept.	Drawer 191, Columbia, S. C.	C.E.	6-19-23	267
LEVIN, JULES D., Architect-Engineer	P. O. Box 192, Beaufort, S. C.	C.E.	12-3-35	413
LEWIS, W. S., Asst. Project Mgr., F.P.H.A.	Pearson, Md.	C.E.	3-22-23	160
LINDER, THOMAS T., Registered Land Surveyor	RFD No. 1, Spartanburg, S. C.	L.S.	3-22-23	154
LINDSAY, WM. S., Jr., J. E. Sirrine & Co., Engrs.	215 S. Main St., Greenville, S. C.	C.E., L.S.	3-22-23	158
LINDSTROM, ALVIN L., Consulting Mechanical Engineer	1001 Mortgage Guar. Bldg., Atlanta, 3, Ga.	M.E.	11-9-39	495
LUCAS, FRANK H., Jr., Asst. Soil Conservationist, Soil Conservation Service	P. O. Box 110, Hartsville, S. C.	L.S. E.E.	6-20-39 6-25-46	484



LYNN, CHARLES F., Smith Equipment Co.,	724 Holly St., Columbia, S. C.	C.E.	7-9-35	403
MAGILL, RICHARD V., Res. Engr., State Highway Dept.	103 W. Stone Ave., Greenville, S. C.	C.E., L.S.	6-17-41	550
MALONE, R. L., Palmer & Malone	7 Law Range, Sumter, S. C.	C.E., L.S.	6-18-40	527
MANHEIM, C. M., Constr. Eng., Federal Works Agency	341 S. Waccamaw Ave., Columbia, 48, S. C.	C.E., L.S.	3-22-23	260
MARETT, ROBERT H.	Sharon, S. C.	L.S.	12-2-41	563
MARSHALL, GEORGE L., Jr., Res. Engr., J. Hearst Coleman Co.	Greenwood, S. C.	C.E.	12-7-43	612
MARSHALL, LAWRENCE E., Jr., Overhead Lines Engr., Knoxville Utilities Board	Box 1951, Knoxville, Tenn.	E.E.	6-10-46	736
MARTIN, BEN H., General Contractor	P. O. Box 166, Easley, S. C.	C.E.	7-14-36	425
MARTIN, HAROLD R., Ensign, Dept. of Marine Engrg.	U. S. Naval Academy, Annapolis, Md.	M.E.	7-12-43	617
MARTIN, JAMES M., Constr. Engr., State Highway Dept.	State Office Bldg., Columbia, S. C.	C.E., L.S.	12-1-36	436
MATHENY, WALKER H., Supt., Norfolk Drainage Co.	116-B Ashley Ave., Charleston, S. C.	L.S.	12-5-44	630
MAXEY, RUSSELL B., Adjunct Prof., School of Engineering, University of South Carolina	1318 Geiger Ave., Columbia, 60, S. C.	C.E., L.S.	6-20-45	652
MAYRANT, W. R., Pres. and Gen. Mgr., Simons-Mayrant Co.	16 Broad St., Charleston, 3, S. C.	C.E.	3-22-23	168
McBRAYER, THOMAS B., Estimator and Designer, Greenville Steel & Foundry Co.	P. O. Box 1199, Greenville, S. C.	C.E., L.S.	6-26-46	753



McCALL, ARTHUR E., Partner, McCall-Thomas Engineering Co.	10 Victory Dr., Nafair, Navy Yard, S. C.	E.E.	12-4-45	696
McCONNELL, EDMOND S., Engr., U. S. Rubber Co.	P. O. Box 5, Scarborough-on-Hudson, N. Y.	E.E.	10-14-40	535
McCOY, FRANK G., Asst. Radio Engr., Charleston Navy Yard	23A Savage St., Charleston, 4, S. C.	E.E.	12-5-39	505
McCRADY, JOHN, Chief Engr., The John McCrady Co.	P. O. Box 912, Charleston, S. C.	C.E.	3-22-23	173
McCULLOUGH, L. H., Mgr., Palmetto Engineering Co.	Aiken, S. C.	C.E., L.S.	12-2-24	287
McDANIEL, LEONARD F.	P. O. Box 5063, Old Pueblo Station, Tucson, Ariz.	C.E.	12-2-41	565
McDONALD, FREDERICK H., Consulting Engineer	1 Broad St., Charleston, 3, S. C.	C.E., M.E., E.E.	12-2-41	569
McDONNELL, R. E., Burns & McDonnell.	107 W. Linwood Blvd., Kansas City, 2, Mo.	C.E.	12-2-30	361
McDOWELL, HARRY L., Partner, W. O. Blackstone Plumbing & Heating Contractors	1207 Laurel St., Columbia, S. C.	M.E.	6-18-40	523
McFARLAND, C. B., Lt. Commander, U. S. N. R. (C. E. C.)	39 School St., Rockport, Mass.	C.E., L.S.	12-4-34	398
McKOY, WILLIAM A.	Box 142, Chester, S. C.	C.E., L.S.	3-12-46	721
McLELLAN, R. F., County Engineer	18 Corbett St., Sumter, S. C.	C.E., L.S.	9-14-22	28
McMILLAN, C. R., State Highway Engr., State Highway Dept.	3123 Amherst Ave., Columbia, S. C.	C.E.	6-19-23	271
McPHERSON, BRUCE, Chief Engr., The McPherson Co.	P. O. Box 1860, Greenville, S. C.	M.E.	7-13-37	444



McPHERSON, JNO. A., Sr. Partner, The McPherson Company.	P. O. Box 1860, Greenville, S. C.	C.E.	3-22-23	172
McPHERSON, RALPH H., Civil & Structural Engr., The McPherson Co.	P. O. Box 1860, Greenville, S. C.	C.E.	12-2-41	567
MILLARD, CHARLES H.,	Rt. No. 1, Taylors, S. C.	C.E., L.S.	6-19-23	274
MILLARD, M. K., Associate Engr., War Dept.	Route 3, Sumter, S. C.	C.E., L.S.	12-5-44	635
MILLER, ERNEST P., S. C. Electric & Gas Co.	2727 Kiawah Ave., Columbia, S. C.	E.E.	6-25-46	768
MILLER, L. R., Rate Engr., S. C. Public Service Commission	1814 Green St., Columbia, S. C.	E.E.	6-20-39	489
MILLS, DONALD, Major, A. A. F.	P. O. Box 534, Selma, Ala.	C.E.	12-2-41	559
MILLS, JOB J., Textile Engr., The McPherson Co.	37 Cammer Ave., Greenville, S. C.	M.E.	6-25-46	777
MIMS, HARRY M., J. F. Cleckley Co.	Box 209, Orangeburg, S. C.	C.E., L.S.	12-5-45	698
MITCHELL, NATHANIEL M., Pres., Barnes Textile Assoc., Inc.	318 Montgomery Bldg., Spartanburg, S. C.	M.E.	12-2-41	572
MITER, H. F., Vice-Pres. and Distr. Mgr., The Austin Co.	16112 Euclid Ave., Cleveland, 12, Ohio	C.E.	6-9-38	455
MONROE, M. M.	Latta, S. C.	L.S.	6-2-38	467
MOORE, HAROLD A.	8 Broad St., Charleston, S. C.	L.S.	7-8-30	359
MOORE, JOSEPH H., Chief Engr., S. C. Public Service Auth.	Moncks Corner, S. C.	C.E.	6-17-41	555
MOORE, RICHARD H., Consulting Engineer	Asheboro, N. C.	C.E.	12-2-41	568



MORELAND, EDWARD L., Jackson & Moreland	31 St. James Ave., Boston, 16, Mass.	E.E.	2-9-33	382
MORGAN, BENJAMIN A., Const. Engr., Celanese Corp. of America	Box 1000 Bridgewater, Va.	C.E., L.S.	12-1-31	373
MORGAN, G. R., Partner & Dept. Head, J. E. Sirrinc & Co., Engrs.	215 S. Main St., Greenville, S. C.	E.E., M.E.	12-7-26	312
MORGAN, JOHN PHILIP, Land Surveyor, Real Estate, Insurance	P. O. Box 11, Moncks Corner, S. C.	L.S.	6-15-43	599
MORGAN, JOHN W., Jr., Engr., Kline Iron & Metal Co.	3904 McGregor Dr., Columbia, S. C.	C.E.	12-4-45	688
MORRIS, ROBERT H., Surveyor, Carolina Lands, Inc.	124 Bailey Dr., Dorchester Terrace, Navy Yard, S. C.	L.S.	12-6-38	474
MORRIS, S. C.,	Rt. 2, Conway, S. C.	L.S.	12-5-33	389
MORRISON, H. T.,	McClellanville, S. C.	L.S.	3-22-23	166
MOSELEY, CHARLES W., R. H. Bouigny, Inc.	433 W. Morehead St., Charlotte, N. C.	E.E.	6-25-46	762
MOSS, S. DIBBLE, Surveyor, Orangeburg Insurance Agency	P. O. Box 743, Orangeburg, S. C.	L.S.	7-10-28	327
MURRAY, F. H.,	422 N. Main St., Sumter, S. C.	C.E., L.S.	12-5-22	52
MYERS, JOHN C., Engr., The Beach Co.	23 Wye Lane, Dorchester Terrace, Charleston, S. C.	C.E., L.S.	6-26-46	791
NAIMAN, SOLOMON, Owner, Naiman & Co.	10 College St., Asheville, N. C.	E.E.	6-25-46	761
NARDIN, W. H., Chemical Engineer, J. E. Sirrinc & Co., Engrs.	Box 960, Greenville, S. C.	Ch.E.	6-19-45	656



NEEDLE, JOSEPH, Asst. City Engineer	City Hall, Charleston, S. C.	C.E., L.S.	9-14-22	29
NEWTON, ROBERT P., Jr., Applied Engineering Co.	Bryant Bldg., Orangeburg, S. C.	Ch.E.	6-19-45	657
NICKLES, WILLIAM D., Nickles Electric Co.	Box 389, Abbeville, S. C.	E.E.	12-5-44	643
NORMAN, CLARENCE C., Asst. Prof. of Civil Engr., Clemson College	Box 1257, Clemson, S. C.	C.E., L.S.	6-15-43	595
ODELL, H. H.	P. O. Box 302, Edgefield, S. C.	L.S.	3-13-46	709
O'DELL, T. W., The Harwood Beebe Co.	Montgomery Bldg., Spartanburg, S. C.	C.E., L.S.	3-22-23	177
OLSEN, WILLIAM C., Consulting Engineer	P. O. Box 271, Raleigh, N. C.	M.E., E.E.	12-7-26	310
O'NEAL, H. R., Corps of Engineers, U. S. Army	53 Maple St., Charleston, S. C.	L.S.	12-3-35	416
OTTO, OLAF, Engineer and Contractor	412 Bay St., East, Savannah, Ga.	C.E.	7-12-32	374
PAGE, ARVIN, Chief Engineer, The Bahnson Co.	1001 S. Marshall St., Winston-Salem, N. C.	M.E.	12-4-45	679
PAGE, OTIS M.,	1000 E. Main St., Dillon, S. C.	C.E., L.S.	3-22-23	181
PAGE, RANDOLPH R., Industrial Engr., War Assets Adm.	3032 Que St., N. W., Apt. 31, Washington, 7, D. C.	C.E., L.S.	12-28-42	297
PAGE, THOMAS E., Mechanical Engr., Public Works Division, U. S. Naval Shipyard	Box 264, Naval Base, 7, S. C.	M.E.	6-19-45	654
PALMER, JOSEPH, Civil Engineer and Land Surveyor	Sumter, S. C.	C.E., L.S.	9-14-22	30



PARKS, L. E., J. E. Sirrinc & Co., Engrs.	215 S. Main St., Greenville, S. C.	M.E.	12-6-38	478
PEARSON, J. F., Supt., Orangeburg Water & Light Plant	52 S. Middleton St., Orangeburg, S. C.	E.E.,M.E.	3-22-23	182
PEIRSON, NAT. D., Partner, Peirson & Whitman, Consulting Engineers	P. O. Box 47, Raleigh, N. C.	C.E.	12-4-45	677
PENNEL, JOHN W., Brewton Engineering Co.	1122 Oak Ave., Panama City, Fla.	C.E.,I.S.	12-7-43	615
PERREYCLEAR, WILLIAM H., Lt. (jg), Civil Engineering Corps, U. S. N. R., Office of the Civil Works Engineer	571 Linden Ave., York, Pa.	C.E.,I.S.	6-18-40	524
PERRY, WILLIAM G., Jr., Chief Constr. Engr., J. E. Sirrinc & Co., Engrs.	Greenville, S. C.	C.E.	3-25-42	575
PERIGO, WILLIAM EARL, Asst. Engr., N. Chas. Constr. Co.	44 Bailey Dr., Navy Yard, S. C.	L.S.	6-27-46	749
PHILLIPS, J. C.	Route No. 2, Warrenville, S. C.	L.S.	3-13-46	708
PHIPPS, FRED V., Sales Engr., Smith Equipment Co.	1301 Dale St., Columbia, S. C.	C.E.,I.S.	12-2-41	566
PICKELL, HEYWARD M., Pickell & Pickell, Engrs.	8 Provost Bldg., Greenville, S. C.	C.E.,I.S.	7-8-30	356
PICKELL, WALTER L., Jr., Partner, Pickell & Pickell, Engrs.	8 Provost Bldg., Greenville, S. C.	C.E.	12-3-40	540
PIRNIE, MALCOLM, Malcolm Pirnie Engineers	25 West 43rd St., New York, 18, N. Y.	C.E.	12-1-36	431
PIATT, WM. M., Piatt & Davis, Engrs.	P. O. Drawer 971, Durham, N. C.	C.E.,E.E.	12-5-22	55
PLUMER, PAUL R.	4102 McGregor Dr., Columbia, 39, S. C.	L.S.	3-13-46	704



POLLARD, L. W.					
POOSER, A. KEITH Chief Engr., Ecusta Paper Corp.	4220 Blossom St., Columbia, 39, S. C.	C.E.	7-14-36	424	
PORTER, R. M.	Pisgah Forest, N. C.	C.E.,L.S.	12-7-37	450	
PORTER, ROBERT D., Chief Engr., Burlington Mills Corp.	2424 Blossom St., Columbia, S. C.	C.E.,L.S.	3-22-23	245	
POSEY, JAMES, Consulting Engineer	211 So. Edgeworth St., Greensboro, N. C.	M.E.,C.E.	3-22-23	250	
POSTELL, JAS. A., Land Surveyor	10 E. Pleasant St., Baltimore, 2, Md.	M.E.	9-22-41	557	
PRETTYMAN, C. F., Civil Engineer and Land Surveyor	Ravenel, S. C.	L.S.	9-14-22	31	
PRICE, EDWARD L., Giffels & Vallet, Inc.	P. O. Box 225, Summerville, S. C.	C.E.,L.S.	3-22-23	187	
PRUITT, RALPH S., Mgr., Mechanical Dept., G. M. Guest & Sons	P. O. Box 1116, Jackson, Miss.	C.E.,L.S.	9-14-22	32	
QUATTLEBAUM, McQUEEN, Quattlebaum Engineering Co.	P. O. Box 829, Anderson, S. C.	M.E.	7-14-36	423	
RADER, J. F., Elec. Engr., S. C. Electric & Gas Co.	Johnston, S. C.	C.E.,M.E.,L.S.	3-22-23	249	
RADER, JOHN FRANK, Jr., Columbia Electric Repair Co.	2739 Kirby St., Columbia, S. C.	E.E.	12-3-40	558	
RAMBO, S. B., Engr. and Const. Foreman, Ridlehuber Construction Co.	900 Main St., Columbia, S. C.	E.E.	3-12-46	717	
REAMER, WILLIAM S., Jr., Pres. Reamer Industries, Inc.	211 East Ave., Greenwood, S. C.	C.E.	12-5-22	57	
	P. O. Box 419, Columbia, S. C.	M.E.	6-20-44	622	



REAMES, MARK EUGENE				
REED, CLARK L., Elec. Engr., S. C. Public Service Commission	Edgefield, S. C.	L.S.	3-13-46	710
RICE, B. P., Supervising Engineer, Reconstruction Finance Corp., Finance Section	329 Wade Hampton Bldg., Columbia, 10, S. C.	E.E.	6-16-42	583
RICHARDSON, JOHN, Pres. & Mgr., Richardson Construction Co.	713 Healey Bldg., Atlanta, 3, Ga.	C.E.	7-8-30	353
RICKETSON, JAMES L., Shipbuilding Inspector, U. S. Navy Yard	171 Broad St., Charleston, 4, S. C.	C.E., L.S.	3-22-23	190
RILEY, CHARLES A., State Highway Dept.	55-B Ben Tillman, U. S. Naval Base, S. C.	E.E.	6-20-44	623
ROBERT, L. W., Jr., Chm. of Board, Robert and Co., Inc.	3012 Bratton St., Columbia, 15, S. C.	C.E.	3-12-46	723
ROBERTS, C. P., Johnson & Roberts, Consulting Engineers	706 Bona-Allen Bldg., Atlanta, 3, Ga.	C.E.	12-7-37	448
ROBERTS, PHIL T., Chief Engr., R. E. A. Dept., J. B. McCrary Engr. Corp.	Drawer 600, Marion, S. C.	C.E., L.S.	3-22-23	239
ROBERTS, SAMUEL B., Chief Engr., Celanese Corp. of America	1408-22 Marietta St. Bldg., Atlanta, 3, Ga.	E.E.	12-5-45	686
ROUSE, R. K., Sales Engineer	180 Madison Ave., New York, 16, N. Y.	M.E.	4-19-46	733
ROWE, WALTER E., Dean Emeritus, School of Engineering University of South Carolina	21 Blue Bldg., Greenville, S. C.	M.F.	6-21-38	466
ROYALL, ROBERT V., Res. Engr., State Highway Dept.	210 Sloan College, Columbia, S. C.	C.E.	12-1-25	298
RUDISILL, JOHN H., Surveyor	P. O. Box 888, Charleston, H, S. C.	C.E., L.S.	12-5-45	684
	2428 Wilmot Ave., Columbia, S. C.	L.S.	6-26-46	741



RUFF, D. GEORGE, Southern Engineering Co.	3214 Duncan St., Columbia, S. C.	L.S.	6-20-44	624
RUSKAMP, WILLIAM H., Structural Engr., Swift & Co.	Union Stock Yard, Chicago, 9, Ill.	C.E.	12-6-38	471
RUTLEDGE, JAMES R., Elec. Engr., Huntington & Guerry, Inc.	201 E. Tallalah Dr., Greenville, S. C.	E.E.	7-9-35	401
SALGO, MICHAEL N., Maintenance Engineer, Naval Area I	28-32 45th St., Long Island City, 3, N. Y.	C.E.	6-16-42	582
SALLEY, EDWARD C., Elec. Engr., S. C. Public Service Commission	329 Wade Hampton Bldg., Columbia, 10, S. C.	E.E.	6-18-40	528
SALLEY G. MACKAY, Jr., Land Surveyor	Orangeburg, S. C.	L.S.	12-7-37	454
SAMS, JAMES H., Prof., Mechanical Engineering, Clemson College	Clemson, S. C.	E.E., M.E.	12-5-29	347
SANDERS, CHARLES R., Maintenance Supt., State Highway Dept.	Box 125, McCormick, S. C.	C.E., L.S.	12-5-39	509
SANDERS, J. O'HEAR, JR.	411 Berckman Rd., N. Charleston, S. C.	L.S.	12-5-39	499
SANDERS, W. A., Sanders Mfg. and Sales Co.	Box 1043, Greenville, S. C.	C.E.	3-22-23	199
SATER, OLA T., Supervisory Engr., Gibbs & Hill, Inc.	Pennsylvania Station, New York, 1, N. Y.	C.E.	6-25-46	757
SAWYER, BEVERLY H., 1st Lieut., Corps of Engrs., U. S. Army	1706 Highmarket St., Georgetown, S. C.	C.E.	6-18-40	533
SCRUGGS, E. L., Chief Engineer, The Springs Cotton Mills	Box 710, Lancaster, S. C.	C.E.	1-15-28	321
SCRUGGS, J. Y., City Engineer	357 College Ave., Rock Hill, S. C.	C.E.	3-22-23	241



SEABROOK, JOHN G., U. S. Engineer Office	63 B. Smith St., Charleston, 10, S. C.	L.S.	12-4-45	662
SEIGLER, JOHN F., Sr.	907 Marion St., Aiken, S. C.	L.S.	6-27-46	746
SEXTON, WILLARD A., Asst. Forester, West Va. Pulp & Paper Co.	P. O. Box 883, Summersville, S. C.	L.S.	6-19-45	644
SHAND, G. E., Consul. Engr., Elec. Util. Div., S. C. Public Service Commission	1428 Gervais St., Columbia, S. C.	C.E., M.E.	9-14-22	1
SHAND, GADSDEN E., Jr., Sales Engineer	205 S. Pickens St., Columbia, S. C.	C.E.	12-5-44	638
SHAND, JULIAN B., Engineer	120 So. Gregg St., Columbia, S. C.	C.E.	6-20-45	653
SHAW, ARTHUR L., Partner, Metcalf & Eddy	1300 Statler Bldg., Boston, 16, Mass.	C.E.	2-19-42	574
SHEARER, WM. H., Civil Engineer and Surveyor	506 Marshall Ave., Anderson, S. C.	C.E., L.S.	9-14-22	35
SHEPARD, JOHN deB., Associate, P. L. Davidson, Engr.	1002 Woodside Bldg., Greenville, S. C.	M.E.	6-25-46	780
SHERMAN, WARREN P., Simmons Industries, Inc.	2728 Fieldston Lane, Jacksonville, 7, Fla.	M.E.	6-18-40	525
SHULER, E. H., Prof. of Appl. Math., Wofford College Vice-Chm., State Board of Engr. Examiners	126 E. Cleveland St., Spartanburg, S. C.	M.E., E.E., L.S.	3-22-23	209
SHULL, EDWIN LEROY, Drainage Engr., Soil Conservation Service	Eatmon Bldg., Kingstree, S. C.	C.E., L.S.	6-26-46	788
SHYBEKAY, DERSO S., Registered Professional Engr.	218 S. Second St., Minneapolis, Minn.	M.E.	6-25-46	763
SIBLEY, EDGAR DOW, Vice-President, Gilbert Assoc., Inc.	412 Washington St., Reading, Pa.	E.E.	2-4-37	434



SILBERT, S. JOSEPH, Partner, Leon & Lionel Levy, Arch.	331 Madison Ave., New York, 17, N. Y.	M.E.	6-25-46	764
SINGLETERY, J. A.,	Cross, S. C.	L.S.	3-22-22	200
SIRRINE, J. E., Sr. Partner, J. E. Sirrinc & Co., Engrs.	P. O. Box 960 Greenville, S. C.	C.E., L.S.	12-5-22	60
SISK, R. D. VAN, Vice-Pres., Piedmont Engrg. Corp.	Box 2094, Charlotte, N. C.	M.E.	12-4-45	673
SLIGH, H. L., N. E. District Engr., State Highway Dept.	Box 111, Florence, S. C.	C.E.	3-22-23	207
SMALL, JAMES H., Owner, James H. Small Co.	Box 4786, Jacksonville, Fla.	C.E., L.S.	6-20-45	648
SMITH, CHARLES J., S. C. Power Co.	141 Meeting St., Charleston, S. C.	Ch.E.	6-25-46	782
SMITH, ELROY G., War Department, Office of Ch. of Engineers.	2028 Fort Davis St., No. 202 Washington, 20, D. C.	C.E., L.S.	7-10-28	326
SMITH, NEELY J.,	Ridgeville, S. C.	L.S.	12-3-40	538
SMITH, RAYMOND B.,	McClellanville, S. C.	L.S.	3-22-23	214
SMITH, T. J.,	238 N. Purdy St., Sumter, S. C.	L.S.	3-22-23	211
SMITH, W. AUSTIN, Smith & Gillespie, Engineers.	P. O. Box 1048, Jacksonville, Fla.	C.E.	7-31-42	588
SMITH, WILBUR S., Assoc. Director, Bureau of Highway Traffic, Yale University	318 Strathcoma Hall, New Haven, Conn.	C.E.	6-17-41	551
SNOOK, SAMUEL S.	P. O. Box 521, Walterboro, S. C.	L.S.	12-4-45	660
SNOWDEN, B. E. B., Partner, Southern Engineering Co.	1070 Spring St., N. W., Atlanta, Ga.	E.E.	6-18-40	521



SPEER, GEORGE M., Elec. Engr., Electrical Utilities Div., S. C. Public Service Commission	329 Wade Hampton Bldg., Columbia, 10, S. C.	E.E.	6-25-46	766
SPEIGHTS, JAMES M., Engr., Kline Iron & Metal Co.	414 Waccanaw, Columbia, 48, S. C.	C.E.	12-5-45	687
SPELLMAN, J. F., Engr., J. E. Sirrinc & Co., Engrs.	23 W. Prentiss Avenue, Greenville, S. C.	C.E., M.E.	3-22-23	204
STEDMAN, GREER POPE, Jr., Superior Gas Corp.	Box 1146, Greenville, S. C.	Ch.E.	3-12-46	714
STEPHENS, JAMES H., State Board of Health	Wade Hampton Bldg., Columbia, 10, S. C.	C.E.	12-6-38	479
STIPP, ROY A., Sales Engineer.	P. O. Box 1796, Greenville, S. C.	M.E.	6-18-40	531
STOKES, HERBERT L., Elec. Engr., S. C. Public Service Authority	Moncks Corner, S. C.	E.E.	12-7-37	451
STORK, ROBERT B., State Maint. Supervisor, S. C. Aeronautics Commission	Idalia Rd., Columbia, 58, S. C.	L.S.	12-4-45	665
STRAUS, FERDINAND N., The Austin Company	P. O. Box 1290, Spartanburg, S. C.	M.E.	12-5-45	685
STRAWN, FLOYD LEE, Const. Engr., V. P. Loftis Co.	Builders Bldg., Charlotte, 1, N. C.	C.E.	6-25-46	781
STROBEL, PETER A., Partner, Strobel & Salzman	500 Fifth Ave., New York, 18, N. Y.	C.E.	6-20-46	737
STUART, BURTON B., Engr., Submarine Signal Corps	49 N. Hancock St., Lexington, 73, Mass.	E.E.	6-20-44	625
SUDLOW, HARRY, Engineer	Aiken, S. C.	C.E., E.E.	7-9-29	332



SUTTON, H. N., Special Projects Engr., City of Charlotte	City Hall, Charlotte, 2, N. C.	C.E.	3-22-23	213
SUMWALT, R. L., Dean, School of Engineering, University of South Carolina	733 Sweetbriar Road, Columbia, S. C.	C.E.	7-14-31	367
SWANNELL, HORACE C., Elec. Engr., J. E. Sirrine & Co., Engrs.	P. O. Box 960, Greenville, S. C.	E.E.	6-15-43	605
SWEENEY, F. R., F. R. Sweeney & Co., Consulting Engineer	Anderson, S. C.	C.E.	3-22-23	247
SYKES, WILLIAM B.	Manning, S. C.	L.S.	6-26-46	739
SYMES, G. GIFFORD	P. O. Box 445, Aiken, S. C.	C.E.	6-20-45	647
TAYLOR, ROGER,	9 Stolls Alley, Charleston, S. C.	C.E.	6-26-46	793
THOMAS, GEORGE S., Prof. of Elec. Engr., University of S. C.	3115 Trenholm Road, Columbia, 21, S. C.	E.E.	6-15-43	601
THOMAS, HENRY C., Partner, McCall-Thomas Engineering Co.	10 Victory Drive, Nafair, Navy Yard, S. C.	E.E.	6-20-39	485
THOMPSON, WESLEY F., Jr., Engr. and Draftsman, Kline Iron & Metal Co.	922 Elmwood Ave., Columbia, S. C.	C.E.	6-25-46	783
THOMSON, B. M., City Engineer	City Hall, Charleston, S. C.	C.E., L.S.	9-14-22	34
THOMSON, EDWARD, Chief Civil Engr., The McPherson Co.	3 Underwood Ave., Greenville, S. C.	C.E.	6-25-46	789
THROWER, WILLIAM H.,	Cheraw, S. C.	C.E., L.S.	6-18-40	529
TINDALL, W. P., Asst. Plant Engr., Ecusta Paper Corp., Pisgah Forest, N. C.	230 W. Main St., Brevard, N. C.	M.E.	12-3-29	344



TOMLINSON, HENRY H., Partner, Widdicombe Engineering Co.	117 South 17th St., Philadelphia, 3, Pa.	C.E.	6-20-45	650
TOMLINSON, W. S., City Engineer	City Hall, Columbia, 3, S. C.	C.E., L.S.	9-14-22	4
TOOLE, MAX G., Mgr., Toole-Woodward Engineering Co.	People's Bldg., Charleston, 3, S. C.	E.E.	6-16-42	581
TOOLE, S. PERRIN, Regional Chief of Surveys, Farm Security Adm.	Farm Security Bldg., Montgomery, Ala.	L.S.	6-18-40	518
TOWLES, V. E., Sr. Highway Engr., Public Roads Adm.	608 Hill Crest Ave., Columbia, 47, S. C.	C.E., L.S.	12-7-26	315
TREADWAY, T. FOLEY, Jr., Partner, Southern Engineering Co.	1070 Spring St., N. W., Atlanta, Ga.	E.E.	6-18-40	532
TRIVELY, I. A., Asst. Prof. of Civil Engrg., Clemson College	Clemson, S. C.	C.E., L.S.	3-12-46	720
TUCKER, THOMAS T., Chief Engr., Armor Insulating Co.	800 Forrest St., N. W., Atlanta, Ga.	M.E.	8-30-43	608
TURBEVILLE, W. R., Designer, State Highway Dept.	203 Ravenel St., Columbia, S. C.	C.E.	3-22-23	218
TURKETT, WARREN B., Soil Conservation Service	Route 2, Lancaster, S. C.	L.S.	6-27-46	748
UHL, WILLIAM F., Pres., Chas. T. Main, Inc.	201 Devonshire St., Boston, 10, Mass.	C.E., M.E.	10-19-45	658
URQUHART, JAMES B., Practicing Architect	606 Palmetto Bldg., Columbia, S. C.	C.E.	12-7-43	614
VAIL, JOHN L., Jr., Engr., The Austin Co.	188 N. Fairview, Spartanburg, S. C.	M.E.	6-25-46	778
VAN ATTA, FRED F., Assistant Secretary, American Concrete Institute	New Center Bldg., Detroit, 2, Mich.	C.E., L.S.	12-7-43	613



VANNORT, B. O., Owner, B. O. Vannont, Engr.	513 S. Tryon St., Charlotte, 2, N. C.	C.E.	6-20-39	488
VERNER, C. V., Field Engr., Roane-Anderson	102 Kimball Lane, Oak Ridge, Tenn.	C.E.,L.S.	3-22-23	221
WALDREP, JAMES E., Engr., Poe Piping and Heating Co.	21 Mount Vista Ave., Greenville, S. C.	M.E.	6-15-43	604
WALKER, J. G.	1724 Enoree Ave., Columbia, S. C.	C.E.	6-7-41	547
WALKER, JOHN W., Walker Laboratory	2024 Blanding St., Columbia, S. C.	C.E.	6-25-46	765
WALKER, REUBEN K., Sec.-Treas., Campbell Concrete Works, Inc. Sec.-Treas., Stubblefield & Walker, Cons. Engrs.	1928 Sumter St., Columbia, 24, S. C.	C.E.,L.S.	12-5-39	504
WALLACE, W. G., Commander, U. S. Coast Guard, Coast Guard Section Office	128 Tradd St., Charleston, 2, S. C.	C.E.	6-19-23	273
WANNAMAKER, H. L., Const. Supt., Ralph B. Simmons	5 Halsey St., Charleston, 16, S. C.	C.E.	3-22-23	248
WANNAMAKER, W. W., Jr., Pres., Wannamaker & Wells, Inc.	P. O. Box 542, Orangeburg, S. C.	C.E.,L.S.	12-1-25	301
WATSON, GEORGE P., Staff Engr., Kendall Mills	Paw Creek, N. C.	E.E.	6-18-40	522
WATSON, THEODORE M., Dist. Supt., Duke Power Co.	P. O. Box 397, Laurens, S. C.	E.E.	6-15-43	603
WEEKS, DANIEL S.	1182 St. Louis Pl., N. E., Atlanta, Ga.	C.E.,L.S.	6-25-46	756
WESTBYE, JOHN B., Electrical Engineer, Gibbs & Hill, Inc.	Pennsylvania Station, New York, 1, N. Y.	E.E.	6-20-45	649
WESTON, JULIAN B., Asst. Engr., Sanitary & Drainage Commission	407 Bennett St., Mt. Pleasant, S. C.	C.E.,L.S.	3-22-23	222



WESTON, WILLIAM C., Senior Sanitary Engineer, State Board of Health	Wade Hampton Bldg., Columbia, 10, S. C.	C.E.	3-22-23	225
WHITE, GEORGE W., The Harwood Beebe Co.	Montgomery Bldg., Spartanburg, S. C.	C.E., L.S.	3-22-23	232
WHITE, GUY H., Supt. of Water Plant, Filtration Plant, City of Columbia	2217 Gadsden St., Columbia, 2, S. C.	M.E.	9-14-22	37
WHITE, HIRAM H., Civil Engineer and Real Estate	P. O. Box 687, Rock Hill, S. C.	C.E., L.S.	3-22-23	228
WHITING, WILLIAM S., Jr., Whiting Engineering & Mfg. Co.	Box 491, Hartsville, S. C.	M.E.	6-25-46	754
WIEDEMAN, H. F., Wiedeman & Singleton, Engrs.	Box 1878, Atlanta, 1, Ga.	C.E.	6-23-25	294
WILBOURN, R. G., Eng. Dept., J. B. McCrary Engrg. Corp.	1408-22 Marietta St. Bldg., Atlanta, Ga.	C.E.	12-4-45	637
WILLIAMS, BERT B., Asst. Prof. of Civil Engineering, The Citadel	Charleston, S. C.	C.E.	6-26-46	776
WILLIAMS, CHARLES E., Forest Engr., Gair Woodlands Corp.	140 Colonial Village, Wilmington, N. C.	L.S.	6-27-46	743
WILLIAMS, GEORGE W., State Highway Dept.	Box 55, Ellore, S. C.	C.E., L.S.	3-12-46	727
WILLIAMS, JAMES L., Chief Engr., Associated Archs. & Engrs.	Drawer 391, Marion, Va.	C.E.	6-3-46	735
WILLIAMSON, J. S., Chief Highway Commissioner	State Office Bldg., Columbia, S. C.	C.E., L.S.	3-22-23	229
WILLIAMSON, JOE, Jr., Vice-Pres., Russell and Axon, Engrs.	415 S. Palmetto Ave., Daytona Beach, Fla.	C.E.	8-7-44	627
WILLIS, W. N., Consulting Engr., U. S. Engineers Dept.	P. O. Box 748, Spartanburg, S. C.	C.E., L.S.	3-22-23	234



WILLSON, H. S., Manager, Noland Company, Inc.	1409 Taylor St., Columbia, S. C.	M.E.	7-12-27	319
WILSON, PERRY B., Jr.	Westminster, S. C.	L.S.	12-4-45	663
WILSON, T. E., Civil Engineer and Surveyor	City Hall Bldg., Darlington, S. C.	C.E., L.S.	12-5-22	62
WINGFIELD, KENNETH S., President, Wingfield & Hinkel, Inc.	1026 17th Street, N. W., Washington, 6, D. C.	C.E.	12-5-44	631
WINGFIELD, WILLIAM, Surveyor	2428 Wilnot Ave., Columbia, S. C.	L.S.	6-27-46	752
WINTER, JAMES A., Surveyor, Real Estate and Notary Public	302 Cater St., Anderson, S. C.	L.S.	3-22-23	227
WISE, CARLTON T., Designing Engineer, J. E. Sirmine & Co., Engrs.	215 S. Main St., Greenville, S. C.	C.E., L.S.	12-5-44	633
WISE, WILLIAM R.	2003 Johnstone St., Newberry, S. C.	E.E.	3-12-46	715
WISWALL, HOWARD, Engineer and Surveyor	10 Watauga St., Asheville, N. C.	C.E., L.S.	3-22-23	253
WOODWARD, EMERY B., Assoc. Elec. Engr., Charleston Naval Base	1007 Montague St., North Charleston, S. C.	E.E.	6-15-43	602
WOODWARD, MADISON H., County Engineer	303 County Court House, Greenville, S. C.	C.E.	6-20-39	490
WOOTEN, M. FRANK, Jr., Wooten & Wooten, Consulting Engrs.	215 Latta Arcade, Charlotte, N. C.	C.E.	6-20-44	626
WORTHY, HOOD C., Treas.-Mgr., City of Chester	Chester, S. C.	C.E.	12-3-30	365
WRIGLEY, GEORGE, Elec. Engr., J. E. Sirmine & Co., Engrs.	215 S. Main St., Greenville, S. C.	M.E., E.E.	9-14-22	5



YEARGIN, JAMES A.	Box 216, Clinton, S. C.	C.F., L.S.	12-4-45	694
YOUNGBLOOD, A. B., Engineering and Contracting	Box 349, Rt. 5, Riverland Terrace, Charleston, S. C.	L.S. C.E.	12-6-38 12-5-44	473
YOUNGBLOOD, GEORGE L., Partner, Youngblood & Co.	Rt. 5, Box 47, Charleston, S. C.	L.S.	6-27-46	750

Deceased: B. R. Cowherd, Jr., T. H. Hardin, Paul H. Norcross, H. C. Hightower, Arthur G. Boozer, Nisbet Wingfield, Adlai Osborne, H. G. Jones, B. G. Langford, H. S. Jaudon, B. M. English, S. R. Flowers, J. L. Ludlow, R. T. Crawford, F. M. Reeves, Richard C. Rhett, Chas C. Wilson, J. F. Sullivan, G. T. Ford, A. E. Legaré, Charles H. Moorefield, R. M. Evans, J. T. Kollock, C. P. Ballenger, H. Stribling, J. H. Dingle, T. C. Hamby, W. H. Miller, H. B. Humbert, G. D. Ryan, William G. Jones, Chas. S. Kirby, W. D. Neves, Harry T. Poe, Loran A. Keer, D. A. Hulick, H. R. Nettles, J. L. Parker, W. W. Miller, B. R. Linley, A. H. Patterson, J. H. McLure, Hiram H. Kester.